mpio

Digital Media Player

MPIO SOLID

mpio

Thank you for purchasing MPIO SOLID. MPIO SOLID is a digital audio player that enables users to play back music conveniently and utilize it for various purposes. To use this product properly, make sure to read through this manually before using it.

http://www.mpio.com
For more information on the MPIO products, visit our web site on the Internet. You can find many answers to the customer's various enquiries, or upgrade the product performance through firmware upgrade (system software) that operates this product.

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- Macintosh and Macintosh are the registered trademark of Apple Computer, Inc.
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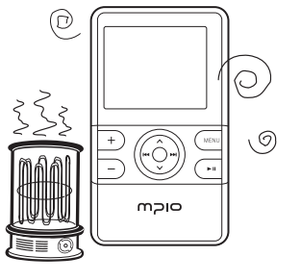
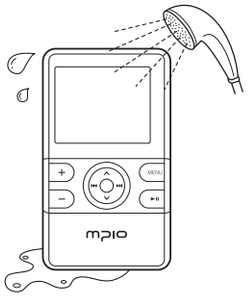
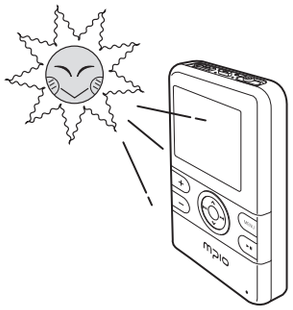
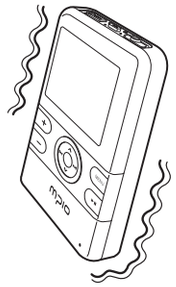
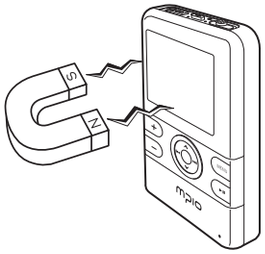
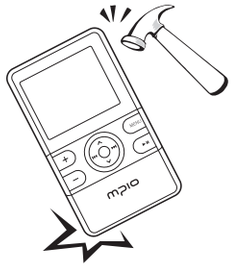
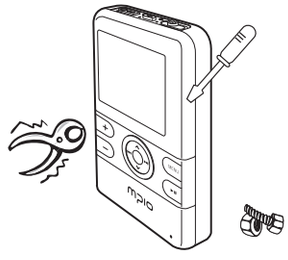
▶ Disclaimer

- Manufacturer and sales office do not bear any responsibility over the accidental damage that accompanies the injury to the user, which is caused by improper usage of this product. The contents of this manual are based on the product status at the time of sales and can be changed without a prior notice for continuous performance improvement and additional function supplementation in the future.

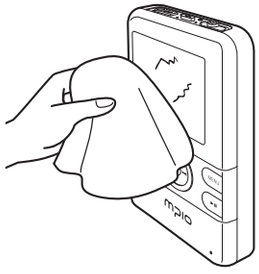
Safety Precautions

The following information is for protecting the user's safety and any property damages.
Please read the following information and use the product accordingly

Do not use in high temperature(near heating device or heat generators). 	Do not use in minus zero temperatures or outdoors during winter (operating temperature 5˚C~40˚C). 	Do not leave in humid areas or frequently flooding areas. 
Do not leave in dusty areas. 	Do not leave inside vehicles or under direct sunlight. 	Avoid shaky areas. 
Avoid magnetic objects. 	Avoid strong impact to prevent disassemble or data loss. 	Never disassemble, repair or reorganize. 

Be careful of foreign substances entering the product interior.E.g.) Paper clips, paper, water, drinks, etc.

When removing foreign substances from the product surface, always use a soft cloth or a towel. Do not use chemical solvents.



User Safety

1 Traffic safety

- Do not listen to music using headphones or earphones when riding a bicycle, motorcycle, or driving a vehicle. It is dangerous and it may be against the law in some regions.
- Reduce the headset or earphone volume when listening to music or FM while you're walking. There is a risk of an accident.

2 Hearing Protection

- Do not use headphones or earphones for a long period of time. Professionals suggest that long use of all portable audio devices may have a possibility of causing hearing loss.

Data Storage

1 MPIO Co., Ltd. will not be responsible for data loss or damages occurred while transferring data between the product and a PC.

2 **When storing important data, please make a back-up copy. The data may be damaged due to malfunction or other elements such as outer impact or lack of battery. Please note that in case of data loss, MPIO Co., Ltd. will not be responsible for the lost data.**

3 When inserting/removing the USB cable into a computer, please do so by holding the plug.

4 When the product is connected to a computer, please do not cause impact or shake the connector.

5 You should back up the data saved in the product before requesting the after service. MPIO will consider that the customers have backed up their data before sending it to MPIO for after service. MPIO will not back up your data upon receiving the after service request. Additionally, MPIO will bear no responsibility over data loss during the service.

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Product Features

- **High Quality Sound with WOW Surround 3D Sound Effect**
  Experience clear high tones and rich bass sounds with WOW's unique high quality 3D sound effects.
  MPIO SOLID takes pride in its outstanding quality sound during MP3 playback.

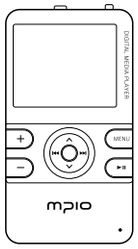
- **Enjoy realistic videos!**
  1.8 in. QCIF TFT-LCD screen enables you to enjoy a vivid, high-quality videos.
  You may enjoy vivid and clear music videos and movies.

- **Save photos and documents, and view them whenever and wherever.**
  Also save photos of loved ones, friends, and any others you like. Photos in JPEG and BMP format can be viewed and e-Book function is also supported.

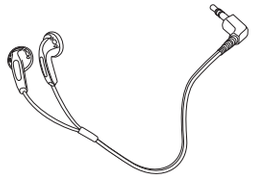
- **Playing games with an MP3 player?**
  You can enjoy fun games at any time while you are listening to music.
  Experience live games with 65,000 color screen quality.

- **Basic radio function provided! Radio sound quality is also superb!**
  Experience the ultimate convenience and benefits of various functions including Auto Preset, Auto Scan, Save Frequency, Radio Recording, Receipt Sensitivity Control and more.

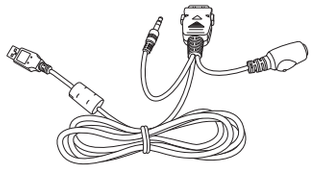
- **Outstanding recording function**
  MPIO SOLID enables clear voice recording through its built-in, high performance microphone, and easy convertion of sound signals from external devices to digital signal (MP3 format) using the Direct Encoding function.



Player



Earphones

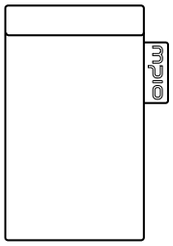


24PIN USB Multi-Cable

Utility CD

Quick Guide

Product Warranty

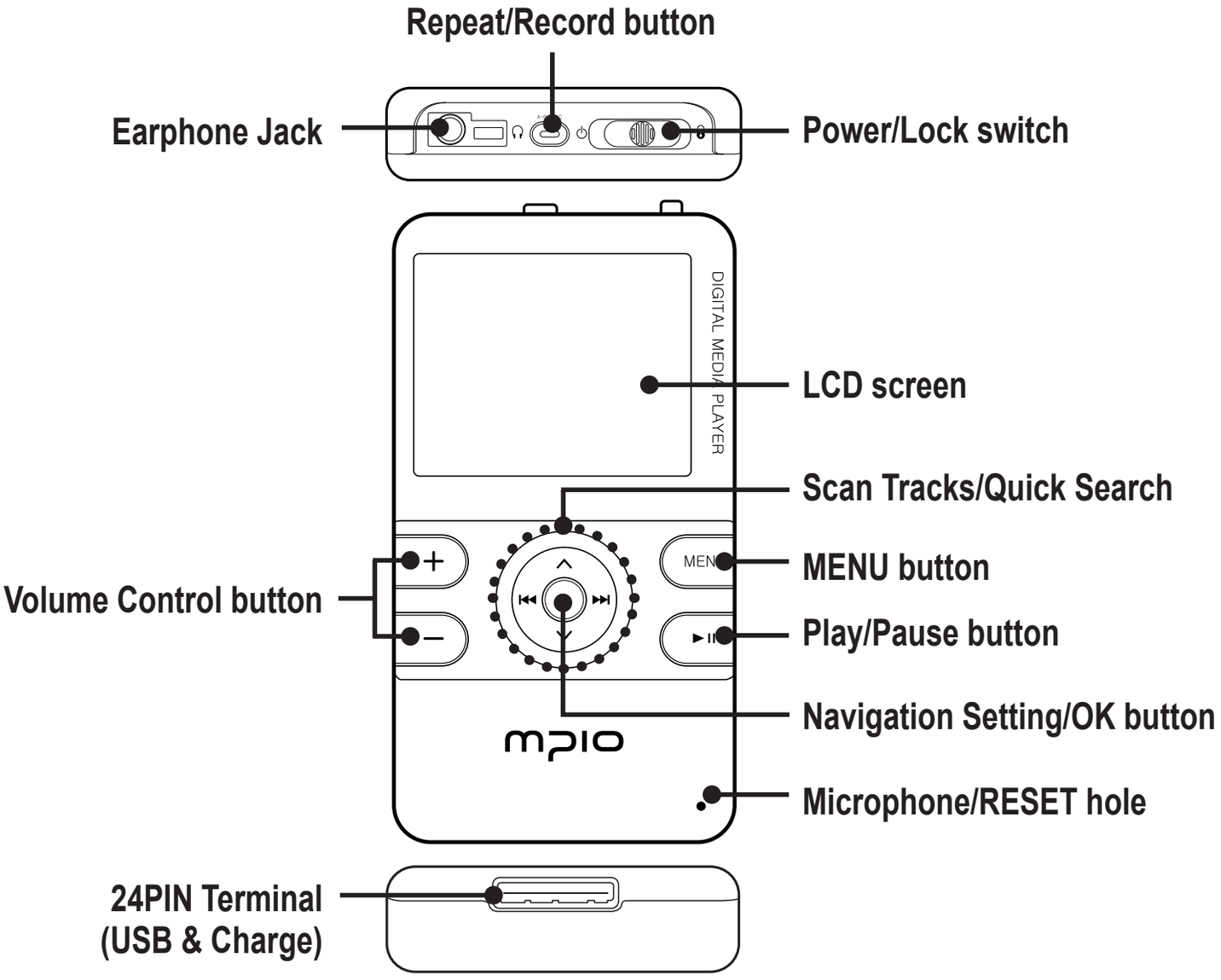


Carrying Case

Note

- Actual player components may vary slightly from images shown, and subject to change without notice.
- Broken accessories may be purchased separately at MPIO Service Center.

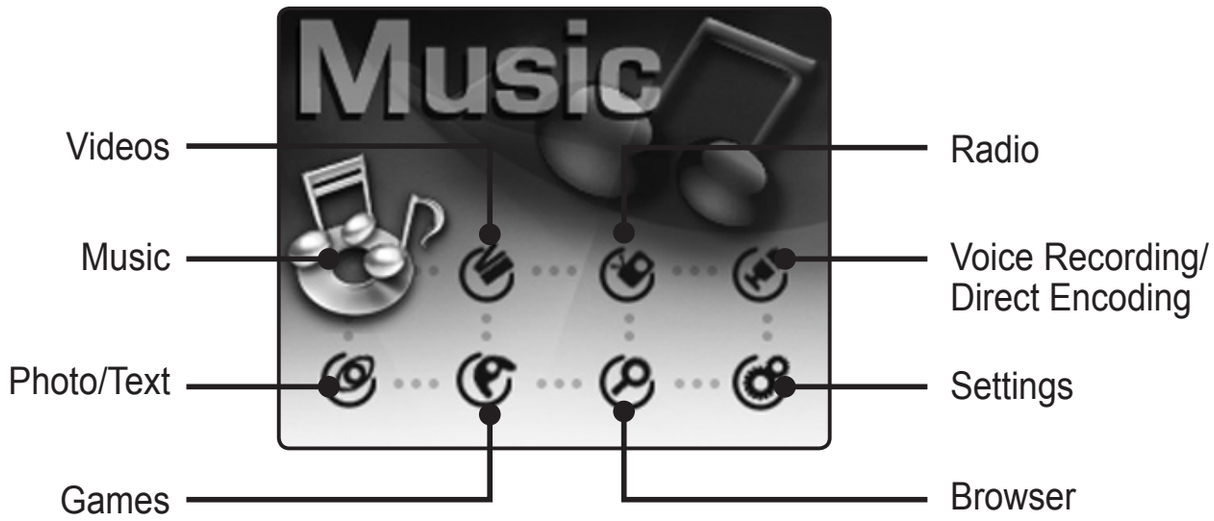
Name of Parts



Note

- If the player does not work properly, press the RESET hole on the player with a small pin. The player will then operate normally.

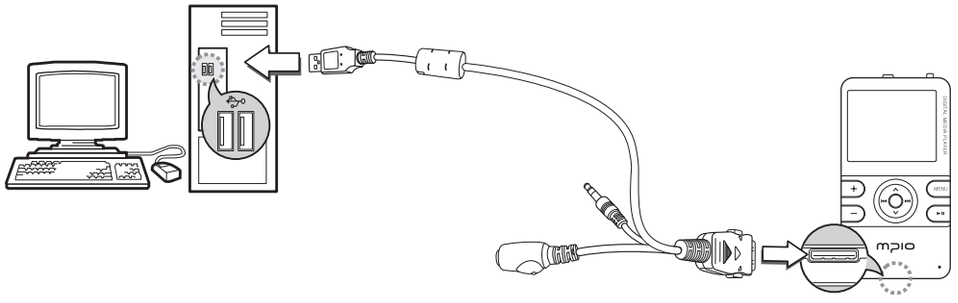
Main Menu Screen



Recharging

Charging while the power is off

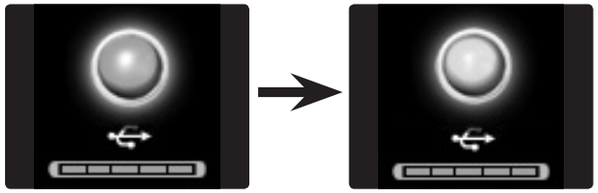
1 When the power is off, connect the player to the USB connection terminal of a computer with the 24PIN USB Multi-Cable.



Connection using 24PIN USB Multi-Cable

2 USB cable connection status screen apprears in the LCD screen.
Charging time is based on the power off status.
- Charging time with 24PIN USB Multi-Cable:
About 4 hours (When charging from the USB terminal of a PC)
- Charging time with an adaptor (sold separately):
About 2 hours and 30 minutes

When using 24PIN USB Multi-Cable



Charging in progress: Orange

Charging complete: Green

About the Internal Rechargeable Battery

- Battery can be charged at any time but we recommend the battery to be fully charged before use.
- If the battery usage time is shorter compared to the charging time, this means the battery must be changed.
- Please fully charge the battery at initial use or after it has not been used for a long period of time.
- The built-in battery is expendable, therefore the battery usage time will gradually reduce after purchase.
- Always charge and store the produce at room temperature.
- The battery is not fully charged when the product is purchased. Please fully charge the product before use.
- The battery usage time will differ depending on how the product is used and how long, usage temperature, and other environmental matters.

Note

- Contact MPIO Service Center for replacing the internal battery.

Listening to the Music

Turning the Power ON

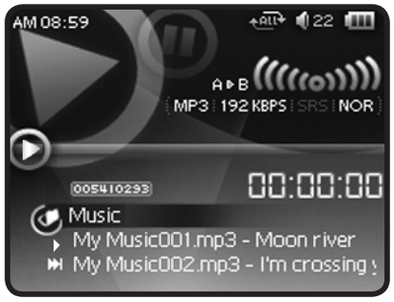
Push **Power/Lock Switch**(⏻) to (⏻) and then release.
The power will turn on.

Turning the Power OFF

Push **Power/Lock Switch**(⏻) to (⏻), and then release after **2** seconds.
The power will turn off.

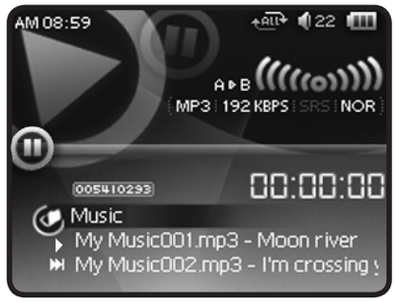
Playing the Music

Select **Music** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
The music will be played.



To Pause

Press ▶II button while the music is played.
The music will be paused.
Press ▶II button once more, then the music will be played again.



Changing the Mode

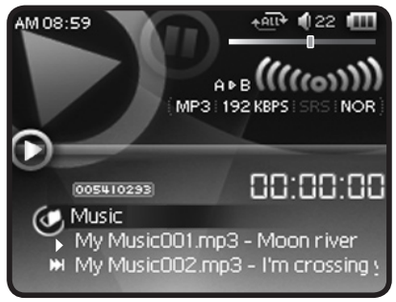
1 Press **MENU** button during playback or pause.
The main menu screen appears

2 Select the desired mode using ∧ ∨ / I◀◀ ▶▶I button, and then press **OK** button.
Mode: **Music**, **Video**, **Radio**, **Record**, **Viewer**, **Game**, **Browser**, **Setting**.

Adjusting the Volume/Using the Lock Function

Adjusting the Volume

Press +- button during playback or pause.
The volume will be adjusted.



Note

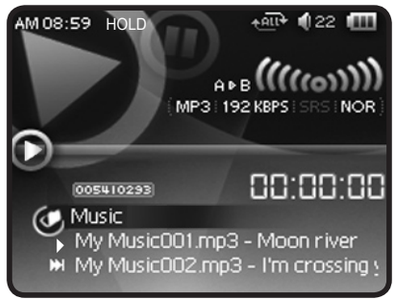
- The volume can be adjusted from **0** to **40**.

Using the Lock Function

If you set the lock function, other buttons will not operate when they are pressed during playback.

- To set the lock function, push **Power/Lock Switch**( ) to (🔒) direction.
  HOLD will appear on top of the screen.

- To release the lock function, push **Power/Lock Switch**( ) to (🔒) opposite direction.



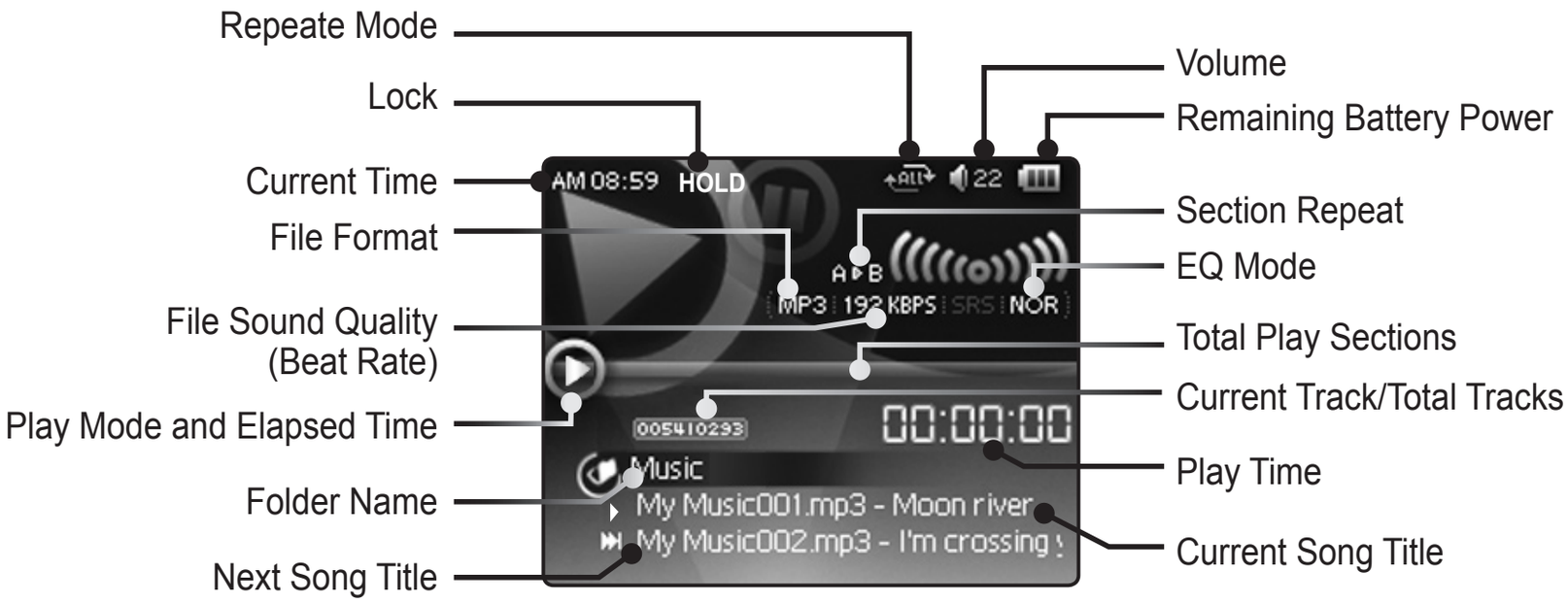
Music Mode

You can listen to music files.

Playing the Music File

- Select **Music** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
  The music file will be played.

Screen Information



Fast Forwarding/Rewinding during Playback(Search Songs)

To fast forward or rewind during playback, keep pressing ⏮ or ⏭.
When you let go of the button, normal play will resume.

Music Mode

Finding Other Music File during Playback

- Pressing ▶▶I button during playback will play next song.
- Pressing I◀◀ button within 5 seconds after playback starts will play the previous song.
- Pressing I◀◀ button 5 seconds after playback starts will play the song from its very beginning.

Note

- Files created in MP2 or MP1 format cannot be played even if the extension was changed to MP3.

Setting the Repeat Mode

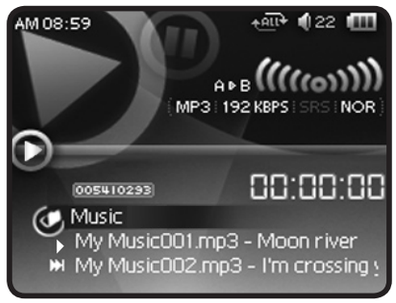
You can listen to songs repeatedly. There are four repeat modes.
Whenever you press ∧ button during playback or pause, the repeat mode will change.

- Mode Change Sequence: N → 1 → ALL → R → N
  - N :Play all music files in the HD400 folder according to their sequence.
  - 1 : Play one song repeatedly.
  - ALL :Play all music files in the HD400 folder repeatedly.
  - R :Play all music files in the HD400 folder randomly.

Playing a Certain Section Repeatedly: A-B Section Repeat Playback

You can set a random section and play it repeatedly.

1 Press **A-B•REC** button shortly at the start of the section you want to listen repeatedly during playback.
A ▷ appears on the screen.



2 Press **A-B•REC** button shortly at the end of the section you want to listen repeatedly.
A ▷ **B** appears on the screen and the selected section will play repeatedly.

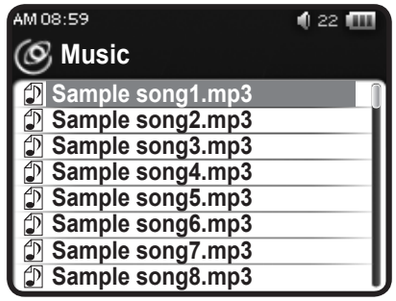
Note

- Pressing **A-B•REC** button during A-B section repeat playback will release the repeat playback.
- Pressing ⏮ ⏭ button during A-B section repeat playback will release the repeat playback and start song search.

Finding Files with Navigation Mode

You can easily find any desired file and play it in Navigation mode.

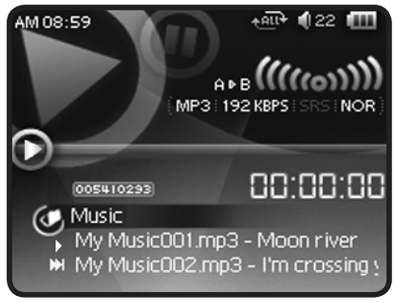
1 Press **OK** button during playback or pause to enter Navigation mode.
The list of files in the folder where the file being played is saved appears.



Note

- Refer to the MTP mode & MSC mode in page 58(setting mode)
- In MSC mode, you must download music to Music folder of ROOT.
- In MTP mode, Windows media player synchronize music files in your PC to Music folder of HD400

2 Select the file you want to play using ∧ ∨ button, and then press **OK** button.
- The file will be played.
- To move to the upper folder, pr ess ⏮ button. To enter the folder, press ⏭ button.



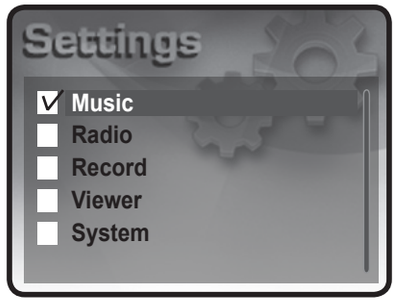
Setting the Music

Set items related to music file playback. The items are **Repeat**, **EQ**, **User EQ**, **Lyrics**, **WOW**, and **File Info**.

Going to the Music Setting Mode

1 Select **Setting** using ∧ ∨/⏮ ⏭ button from Main Menu screen, and then press **OK** button.

2 Select **Music** using ∧ ∨ button, and then press **OK** button.



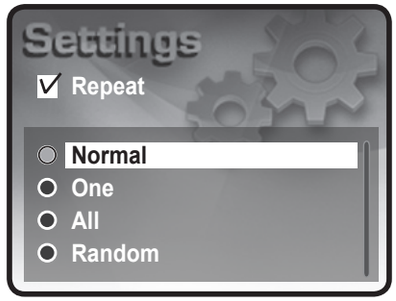
Setting the Repeat Mode

You can play one music file or several music files in the Music folder repeatedly or randomly.

1 Select **Repeat** using ∧ ∨ button, and then press **OK** button.

2 Select the repeat mode you want using ∧ ∨ button, and then press **OK** button.

- **Normal:** Play all music files in the Music folder according to their sequence.
- **One:** Play one song repeatedly.
- **All:** Play all music files in the Music folder repeatedly.
- **Random:** Play all music files in the Music folder randomly.

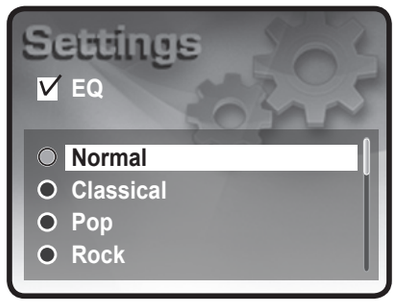


Setting EQ (Equalizer) Mode

You can select EQ mode to enjoy various sound effects.
EQ Mode: **Normal**, **Classical**, **Pop**, **Rock**, **Jazz**, **User EQ**, **SRS**, **TruBass**, **WOW**.

1 Select **EQ** using ∧ ∨ button, and then press **OK** button.

2 Select the desired EQ mode using ∧ ∨ button, and then press **OK** button.

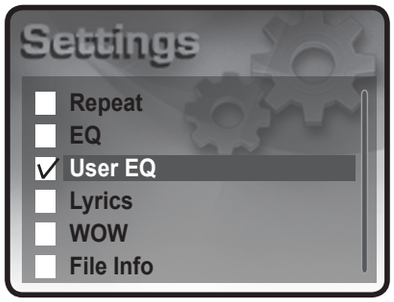


- **Normal:** Does not use EQ.
- **Classical**, **Pop**, **Rock**, **Jazz:** Select EQ mode appropriate for each music genre.
- **User EQ:** Select the EQ set by the user. Adjust EQ in the **User EQ** menu.
- **SRS:** You can listen to the music in surround sound effect. Adjust SRS level in the **WOW** menu.
- **TruBass:** You can listen to the music with dynamic sound effect that the bass is enhanced. Adjust the TruBass level in **WOW** menu.
- **WOW:** You can enjoy the music in WOW mode. When you set the music in WOW mode, you can listen to the music with enhanced bass and surround sound effect. When you select WOW mode, the levels of **SRS**, **TruBass**, and **Focus** that are set in the **WOW** menu will be reflected.

Setting the User EQ (Equalizer)

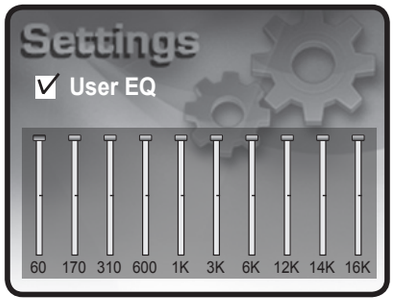
The user can adjust the EQ with the desired tone quality to create a unique EQ mode.

1 Select **User EQ** using ∧ ∨ button, and then press **OK** button.



2 Adjust the EQ level using ∧ ∨ / ⏮ ⏭ button, and then press **OK** button.

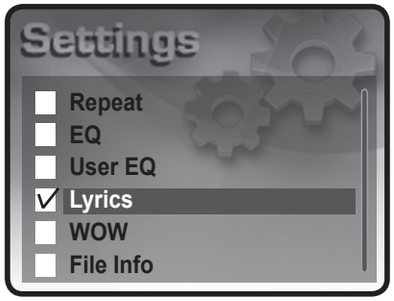
- ⏮ ⏭ **:** Select the EQ Frequency
  Select the low frequency to adjust low tone, and select the high frequency to adjust high tone.
  EQ Frequency: You can select one from **60**, **170**, **310**, **600**, **1K**, **3K**, **6K**, **12K**, **14K**, and **16K**.
- ∧ ∨ **:** Adjusting the EQ Level



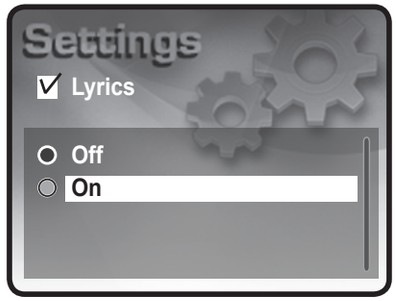
Setting the Lyrics

Show lyrics when there is lyrics information in the music file.

1 Select **Lyrics** using ∧ ∨ button, and then press **OK** button.



2 Select **On** or **Off** using ∧ ∨ button, and then press **OK** button.
On: Will show the lyrics of current music file if they are available.
Off: Will not show the lyrics of current music file.



Note

- Lyrics in Korean, English, Chinese, and Japanese are supported.

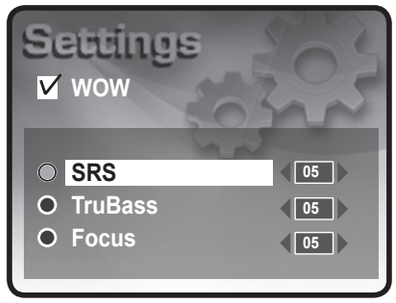
Setting WOW

You can enjoy dynamic and rich sound with the improved 3D surround sound effect.

1 Select **WOW** using ∧ ∨ button, and then press **OK** button.

2 Adjust the WOW items using ∧ ∨ / ⏮ ⏭ button, and then press **OK** button.

- ∧ ∨ **:** Select WOW Items
- **SRS:** Select it when you want to adjust SRS 3D surround sound effect.
- **TruBass:** Select it when you want to enhance the bass.
- **Focus:** Select it when you want to adjust the clarity of high tone.
- ⏮ ⏭ **:** Adjust the level for each item. The adjustment range for each item is from **0** to **10**.



Setting the File Info

You can set the music file info to display on the LCD screen.

1 Select **File Info** using ∧ ∨ button, and then press **OK** button.

2 Select the desired item using ∧ ∨ button, and then press **OK** button.
File Name: Show the file name only even if the file had tag information.
ID3 Tag: Show ID3 Tag when the file has tag information.
Show the file name when there is no tag information.

Note

- All 55 languages in the Language Setting support ID3 tag information.
- For all tracks without Tag information, the file name will be displayed
- When ID3 tag does not display, check the language you set.

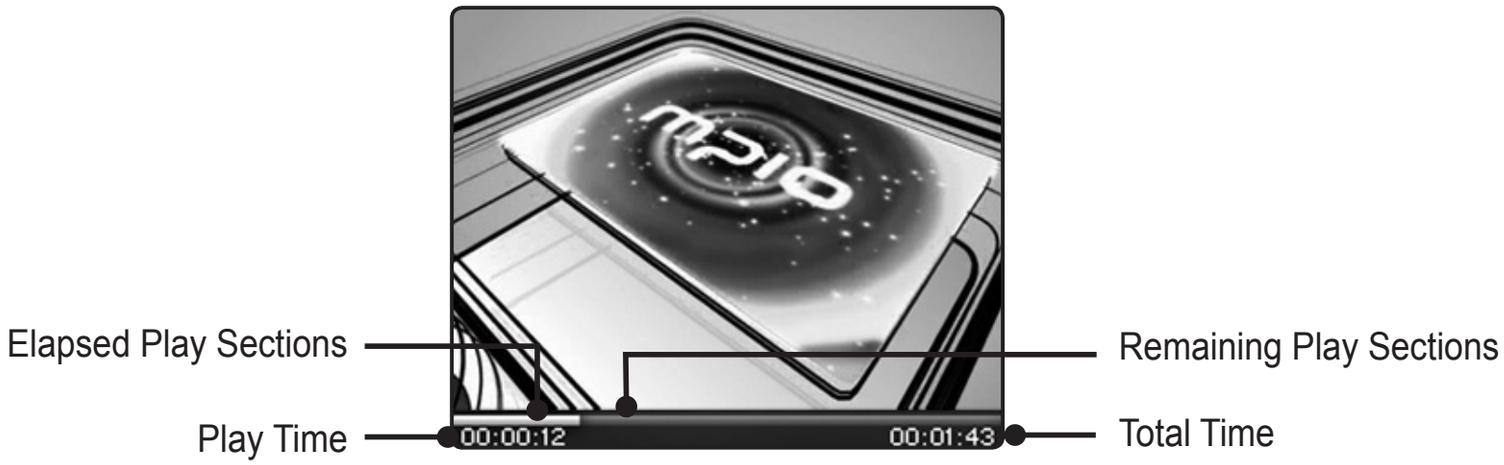
Video Mode

You can view video files. You can play video files converted with the Transcoder program. (See page 73.)

Playing Video Files

- Select **Video** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
  The video file will be played.

Screen Information



Fast Forwarding/Rewinding during Playback(Finding the desired scene during playback)

To fast forward or rewind during playback, press and hold ⏮ or ⏭ button.
When you let go of the button, normal play will resume.

Finding Other Video File during Playback

- Press the ▶▶I button during playback, then next video file will be played.
- Press the I◀◀ button during playback, then previous video file will be played.

Note

- The skip function starts from the video file currently being played.

Finding Files with Navigation Mode

You can easily find any desired file and play it in Navigation mode.

1 Press **OK** button during playback or pause to enter Navigation mode.
The list of video files saved in the Video folder will be displayed.

2 Select the file you want to play using ∧ ∨ button, and then press **OK** button.
The file will be played.

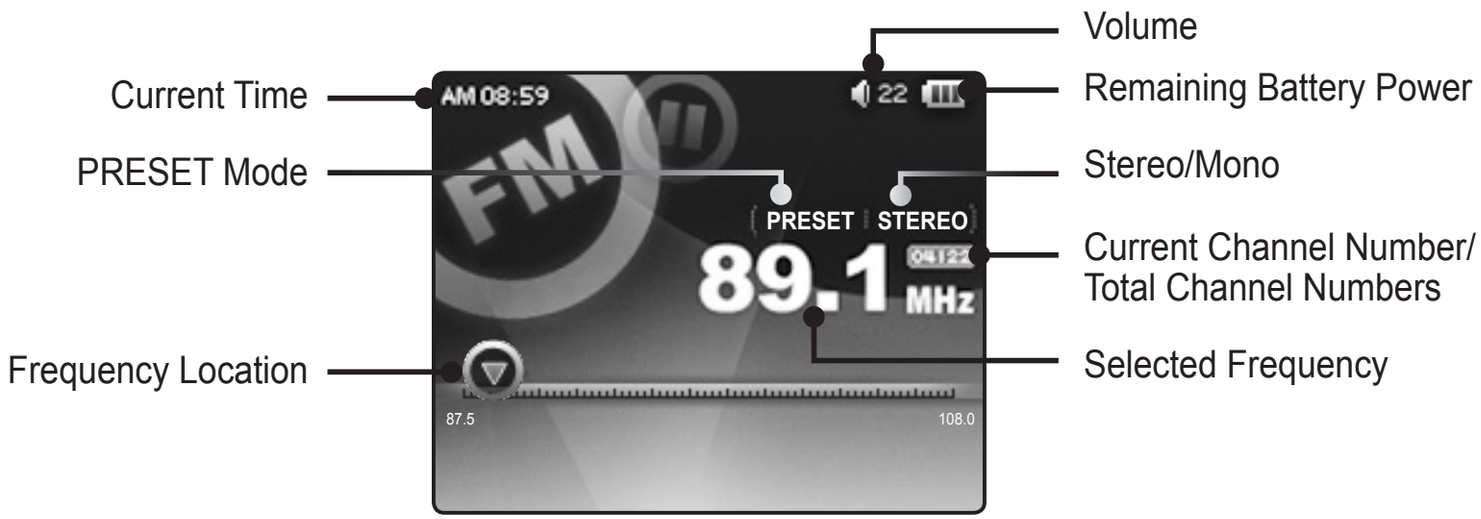
Radio Mode

You can listen to the FM radio.

Listening to the FM Radio

- Select **Radio** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
  The FM Radio play mode appears.

Screen Information



Automatically Scanning and Saving Channels

Press ▶II button in PRESET mode.
Scan and save all channels that can be received.

Note

- Earphone works as an antenna. Wear the earphone before scanning radio channels.
- You can set or release the PRESET mode using ∧ button.
- You can save up to 30 channels.

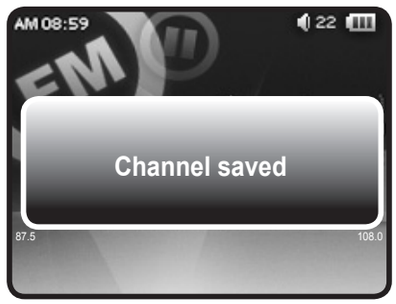
Radio Mode

Listening to the Radio Channel You Saved

You can select and listen to the channel you saved by pressing ⏮ ⏭ button in PRESET mode.

Searching and Saving a Channel

- Press ⏮ ⏭ button shortly after releasing PRESET mode.
  You can find the channel by increasing or decreasing the frequency.
- Press and hold ⏮ ⏭ button to scan the radio channel automatically.
  The frequency will increase or decrease until a channel is found, and then stops when it is found.
- Press ⏯ button after a channel is found.
  The scanned channel will be saved.



Note

- You can set or release the PRESET mode using ∧ button.
- You can set the frequency scan range in the Radio item of the Setting.
- Channels are aligned and saved according to the frequency sequence, and the order of saving cannot be changed randomly.
- Channels cannot be saved repeatedly. The maximum number of saving is 30.

Changing Sound Mode

You can change the sound mode when there is too much noise in the sound received.

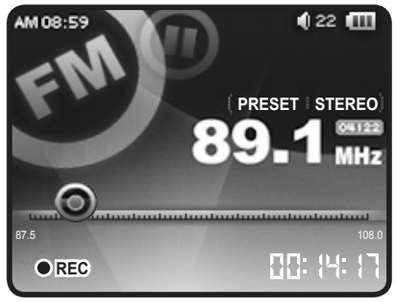
- Every time you press ∨ button, it toggles between **STEREO** and **MONO**.
  Change to mono when it is difficult to receive signals in stereo.

Recording the Channel

You can record a radio channel.

1 Press **A-B•REC** button 1~3 second while listening to radio, then recording will start.
REC will appear on the screen.

2 Press **A-B•REC** button shortly to stop recording. The recorded file will be saved in My Recordings folder.
REC disappears from the screen.



Note

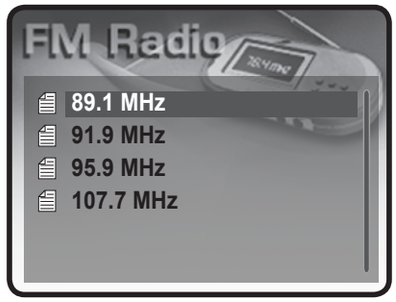
- File name of the saved radio channel will be created based on the date and time of the recording, like Radio-YYMMDD-HHMMSS.mp3. (For example, when the recording starts at 7:30:25 PM on October 21, 2005, the file name will be Radio-051021-193025.mp3.)

Finding Channels in Navigation Mode

You can easily find any desired channel and play it in Navigation mode.
Navigation mode works only in PRESET mode.

1 Press **OK** button to enter Navigation mode.
The list of saved channels appears.

2 Select the desired channel using ∧ ∨ button, and then press **OK** button.
The channel will be changed.



Note

- You can set or release the PRESET mode using ∧ button.

Deleting Channels in Navigation Mode

You can delete channels in Navigation mode.

1 Select the channel to delete using ∧ ∨ button from the channel list, and then press ▶▶I button.
The popup menu appears.

2 Use I◀◀ ▶▶I button to select **Yes**, and then press **OK** button.
The channel will be deleted.

Setting the Radio

Set items related to the radio. The items are **Sound**, **FM Band**, **Seek Step**, **Auto Preset**, and **Reception**.

Going to the Radio Setting Mode

1 Select **Setting** using ∧ ∨/⏮ ⏭ button from Main Menu screen, and then press **OK** button.

2 Select **Radio** using ∧ ∨ button, and then press **OK** button.

Setting the Sound

Select the sound mode (**Stereo** or **Mono**) of the radio.

1 Select **Sound** using ∧ ∨ button, and then press **OK** button.

2 Select the desired sound mode (**Stereo** or **Mono**) using ∧ ∨ button, and then press **OK** button.

Note

- Set to **Mono** when there is noise due to a weak radio wave.

Setting the FM Band

You can set the region or country for FM radio frequency channel receiving.

1 Select **FM Band** using ∧ ∨ button, and then press **OK** button.

2 Select the desired country or region using ∧ ∨ button, and then press **OK** button.

FM Frequencies by Region

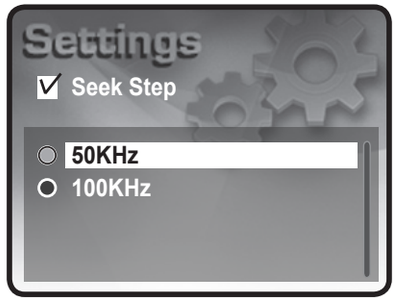
US/EU/KR/CN	87.5MHz~108MHz
Japan	76MHz~ 92MHz
Worldwide	76MHz~ 108MHz

Setting the Seek Step

You can set the frequency scan range during FM radio frequency channel scanning.

1 Select **Seek Step** using ∧ ∨ button, and then press **OK** button.

2 Select the desired scan range (**50KHz** or **100KHz)** using ∧ ∨ button, and then press **OK** button.



Running the Auto Preset

You can find and save channels automatically. However, this function runs in Radio mode only.

- Select **Auto Preset** using ∧ ∨ button, and then press **OK** button.
  Auto Preset function will start.

Note

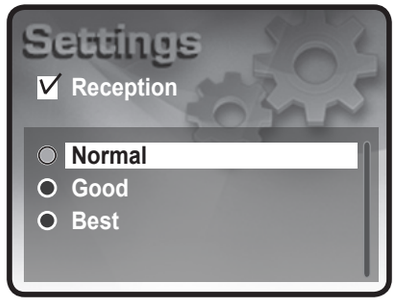
- Earphone works as an antenna. Wear the earphone before running the Auto Preset function.

Setting the Reception

You can adjust the radio reception sensitivity.

1 Select **Reception** using ∧ ∨ button, and then press **OK** button.

2 Select the Reception sensitivity (**Normal**, **Good**, **Best**) using ∧ ∨ button, and then press **OK** button.



Note

- The noise may increase when the **Reception** sensitivity is set high. Adjust accordingly while listening to the radio channel.

Record Mode

Analog sound signals including voice recording from external devices can be converted to digital signals in MP3 format.

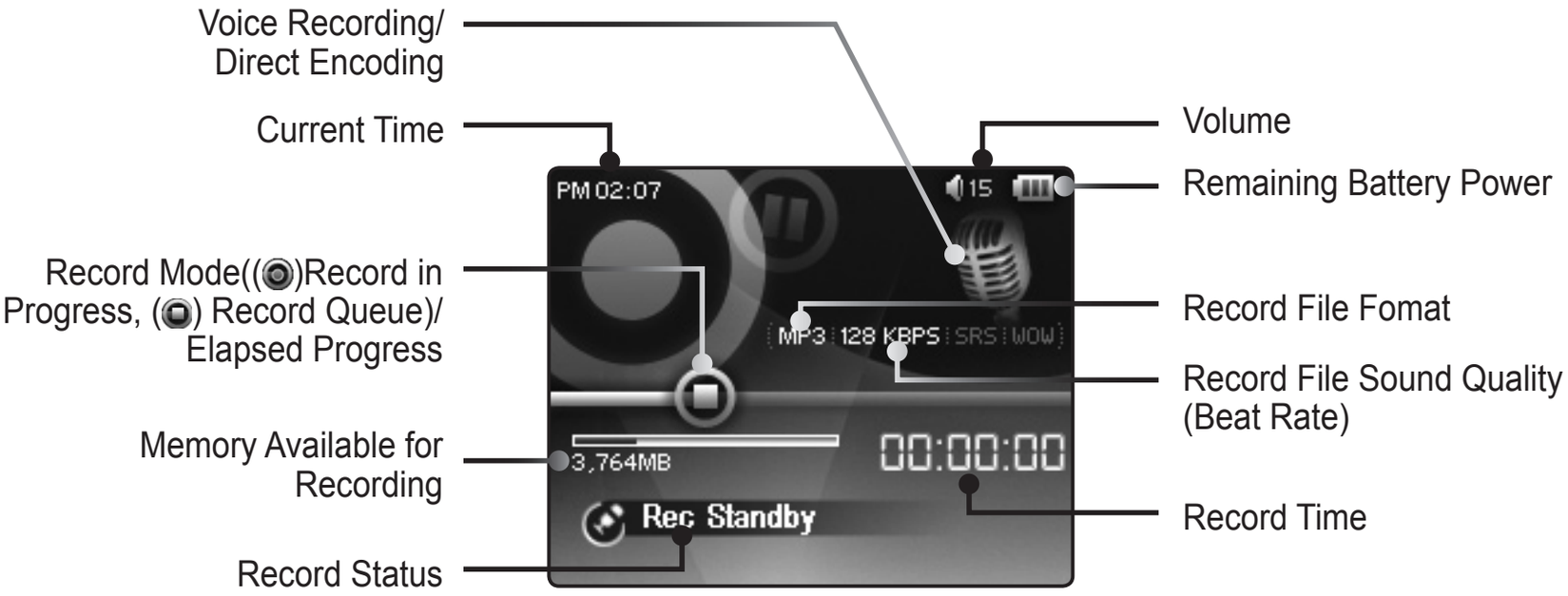
Voice Recording/Line-in Recording(Direct Encoding)

- Select **Record** using ∧ ∨/ ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
  The Record mode appears.

Note

- To record voice, set **Input** to **Voice** from the Record Setting menu. To record an external audio device, set **Input** to **Line-in**.

Screen Information



Record Mode

Recording the Voice

Confirm if the Input is set to Voice in the Record Setting menu before recording.

1 Select **Record** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
Voice Record mode appears.

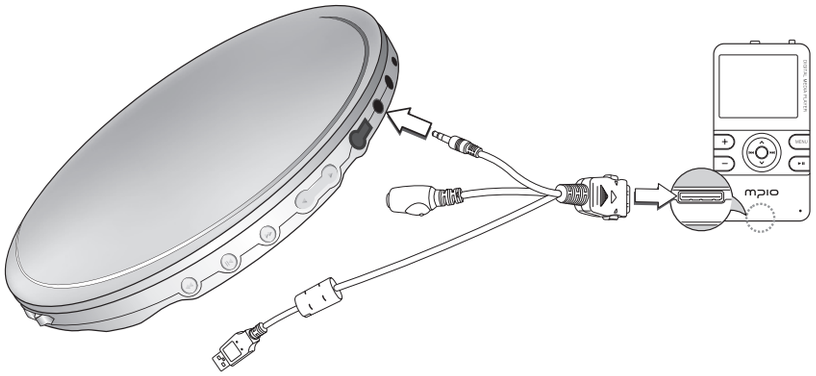
2 To start voice recording, press ⏯ button.
Elapsed recording time is displayed.

3 To end recording, press ⏯ button.
The recording ends, and the recorded file will be saved in the My Recordings folder.

Recording an External Audio Device (Direct Encoding)

Confirm if the **Input** is set to **Line-in** in the Record Setting menu before recording.

1 Connect the external audio device's output (or Line Out jack) and 24PIN USB port of the player with the 24PIN USB Multi-Cable.



Connection using 24PIN USB Multi-Cable

2 Select **Record** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
Line-in Record mode appears.

3 To start the Line-in record, press ⏯ button, and then play with an external audio device.
Elapsed recording time is displayed.

4 To end recording, press ⏯ button.
The recording ends, and the recored file will be saved in the My Recordings folder.

Note

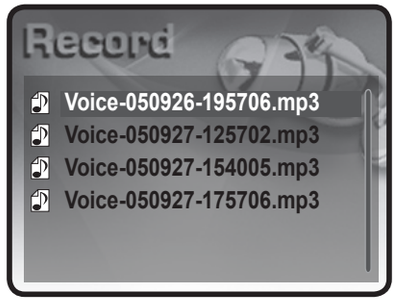
- When the memory is full, recording stops automatically.
- When the remaining battery power is too low, recording is not possible.
- For external audio device encoding, the 24PIN USB Multi-Cable comes with the player must be used.
- Be sure to set the external audio device's volume on an appropriate level before encoding. The encoded sound quality will be poor if the volume is too high or too low.
- The volume of the player cannot be adjusted during recording.
- File name of the voice record will be created based on the date and time of the recording, like Voice-YYMMDD-HHMMSS.mp3. (For example, Voice-050912-174536.mp3)
- File name of the Line-in record will be created based on the date and time of the recording, like Music-YYMMDD-HHMMSS.mp3. (For example, Music-050912-135045.mp3)

Finding Files in Navigation Mode

You can easily find any desired file and play it in Navigation mode.

1 Press **OK** button during playback or pause to enter Navigation mode.
The list of recorded files saved in the My Recordings folder will be displayed.

2 Select the file you want to play using ∧ ∨ button, and then press **OK** button.
The file will be played.



Record Setting

Set items related to the recording. The items are Input and Quality.

Going to the Record Setting Mode

1 Select **Setting** using ∧ ∨/⏮ ⏭ button from Main Menu screen, and then press **OK** button.

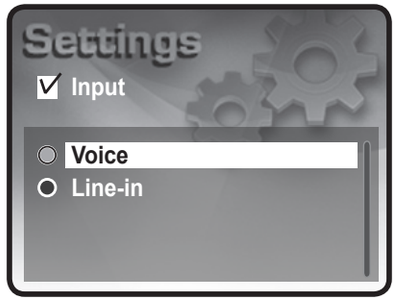
2 Select **Record** using ∧ ∨ button, and then press **OK** button.

Setting the Input

Set the input mode of the recording. There are two input modes: **Voice** mode to record voice, and **Line-in** mode to record the music played in an audio device.

1 Select **Input** using ∧ ∨ button, and then press **OK** button.

2 Select the desired input source (**Voice** or **Line-in**) using ∧ ∨ button, and then press **OK** button.
Voice: Set to record voice through a built-in microphone.
Line-in: Set to record output sound from an external audio device such as CD, MP3, cassette tape, and DVD player.

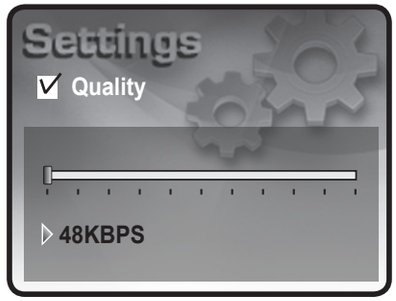


Setting Quality

You can set the recording quality of **Voice** or **Line-in** record. The lower the recording quality is set, the longer the recording time will be. Please set accordingly.

1 Select **Quality** using ∧ ∨ button, and then press **OK** button.

2 Adjust the recording quality using ⏮ ⏭ button, and then press **OK** button.
⏮ ⏭ : Set the beat rate.
Beat rate can be selected from **48KBPS**, **56KBPS**, **64KBPS**, **80KBPS**, **96KBPS**, **112KBPS**, **128KBPS**, **160KBPS**, **192KBPS**, **224KBPS**, and **256KBPS**.



Note

- The higher the beat rate is set, the better the recording quality. However, the size of recorded file will also be larger. Set the beat rate based on the recording sound quality and the size of memory available for recording.

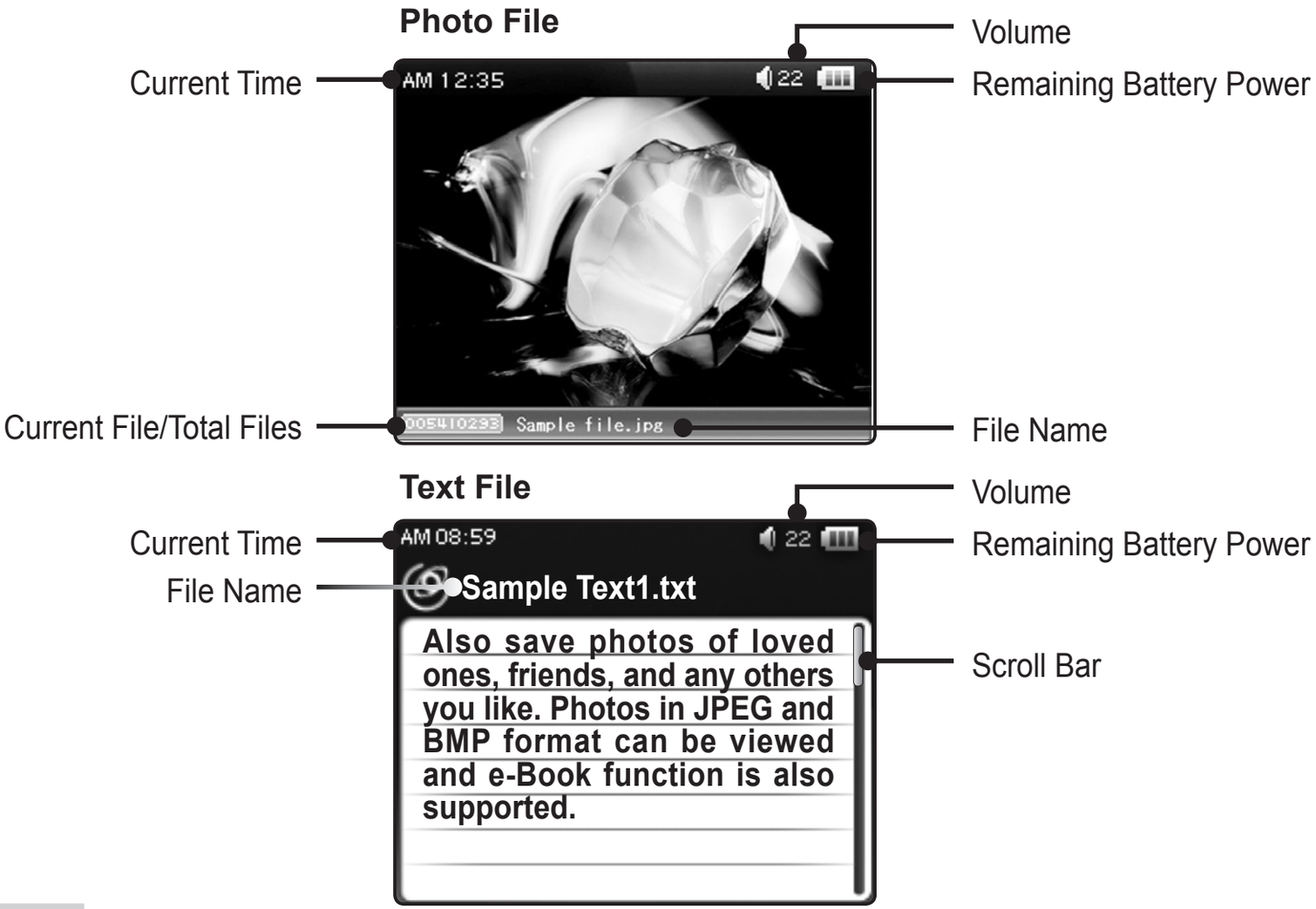
Viewer Mode

You can view photo or text file.

Viewing Photo/Text File

- Select **Viewer** using ∧ ∨ / ⏮ ⏭ button in Main Menu screen, and then press **OK** button.
  The files saved will be displayed.

Screen Information



Note

- Photo or text files will be displayed according to the sequence they were saved.

Viewer Mode

Using Button to Display Photo Files

- ⏮ : Show previous photo file.
- ⏭ : Show next photo file.

Note

- If Slide Speed is set in the Setting mode, the player runs in Slideshow mode in which the screen changes automatically. To stop the slideshow, press ⏯ button.
- Do not create any random folder in the Viewer folder. If a file saved in a randomly created folder, the file cannot be displayed in Navigation mode.
- Files in JPEG and BMP format can be displayed.

Using Button to Display Text Files

- ∧ ∨ : Up/Down scroll page by page.
- ⏮ ⏭ ∧ ∨ : Up/Down scroll line by line.
- ⏮ : Move to the first page with a press longer than 1 second.
- ⏭ : Move to the last page with a press longer than 1 second.

Note

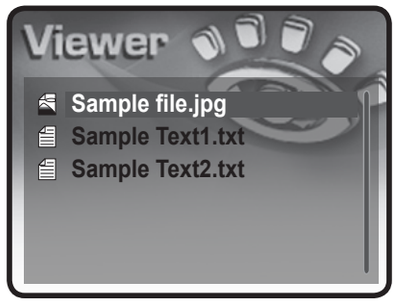
- Do not create any random folder in the Viewer folder. If a file saved in a randomly created folder, the file cannot be displayed in Navigation mode.
- Only TXT files can be displayed.

Finding Files with Navigation Mode

You can easily find any desired file and play it in Navigation mode.

1 Press **OK** button during display to enter Navigation mode.
The file list appears.

2 Select the desired file using ∧ ∨ button, and then press **OK** button.
Photo or text file will be displayed.



Note

- The list of files saved in the Viewer folder appears.
- Text files will not be displayed in the Slideshow mode.

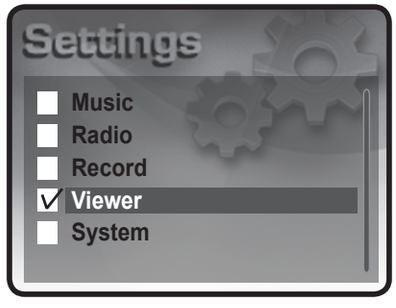
Setting Viewer

Set items related to viewer display, such as photo files, and text files.
The items are **Slide Speed** and **Book Mark**.

Going to Viewer Setting Mode

1 Select **Setting** using ∧ ∨/ ⏮ ⏭ button from Main Menu screen, and then press **OK** button.

2 Select **Viewer** using ∧ ∨ button, and then press **OK** button.

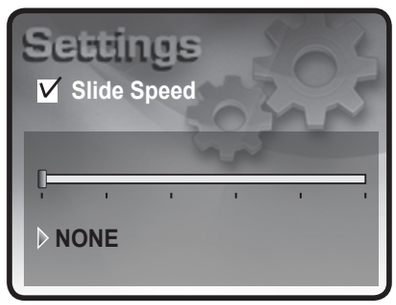


Setting Slide Speed

Set the Slideshow interval of the photo files saved.

1 Select **Slide Speed** using ∧ ∨ button, and then press **OK** button.

2 Adjust the Slideshow speed using ⏮ ⏭ button, and then press **OK** button.
When **Slide Speed** is set, photo files will change according to the set time interval.
Slide Speed: Select one from **NONE**, **1 SEC**, **3 SEC**, **5 SEC**, **10 SEC**, **15 SEC**.



Note

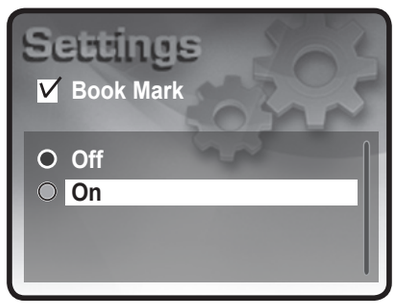
- About the Slideshow display of photo files: If photo files are displayed in Slideshow and when the set time elapses, next photo file will be displayed.
- Even if the **Slide Speed** was set to **NONE** or a certain time, you could change photo files using ⏮ ⏭ button.

Setting Book Mark

Set to view from the page of previously viewed text file when the Viewer is run after the power is on.

1 Select **Book Mark** using ∧ ∨ button, and then press **OK** button.

2 Select **On** or **Off** using ∧ ∨ button, and then press **OK** button.
On: Set the Book Mark function.
Off: Release the Book Mark function.



Game Mode

You can play various games.

Playing Games

- Select **Game** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button. The game screen appears. ⏯ Press the button to stop the game.

Excellion Game

+	Firing a Missile
−	Dropping a Bomb
MENU	Opening the Menu
⏯	Ending the Game
∧ ∨ ⏮ ⏭	Moving Up/Down/Left/Right

Pang-yo Pang-yo Game

MENU	Using Items
⏯	Ending the Game
∧ ∨ ⏮ ⏭	∧ ∨ ⏮ ⏭ : UpDownLeftRightMove ◯ : Select

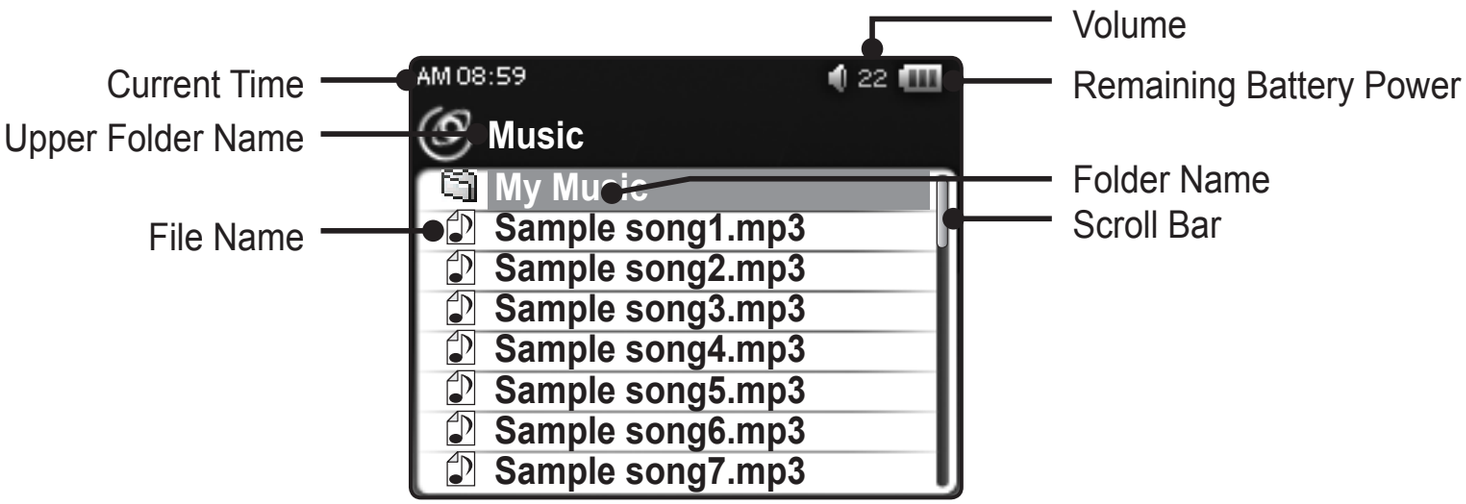
Browser Mode

You can view folders such as Music, My Recordings, Game, Viewer, Video and files in the folders. You can also easily find files to play.

Entering Browser Mode

- Select **Browser** using ∧ ∨ / ⏮ ⏭ button from Main Menu screen, and then press **OK** button.
  The folders according to file types appear.

Screen Information



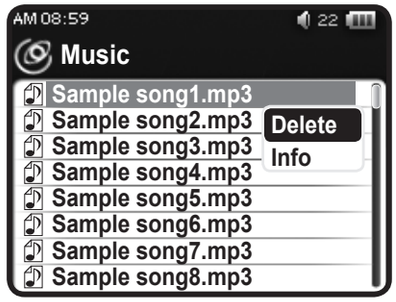
Using Button in Brower Mode

Select file or folder easily with Browser mode.

- ∧ ∨ **:** Selecting file or folder
- ⏭ **:** Entering the Folder/Opening POP UP Menu
- ⏮ **:** Moving to Upper Folder/Closing POP UP Menu
- **OK:** Playing the File or Entering the Folder
- **MENU:** Moving to Upper Folder or Previous Menu

Deleting Files with Navigation Mode

You can delete files in Navigation mode.

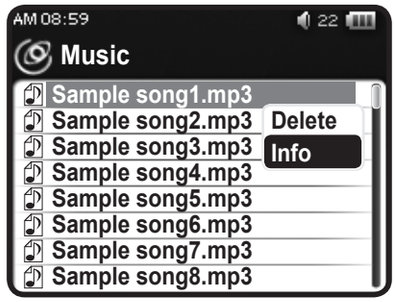


1 Select the file to delete using ∧ ∨ button from the file list, and then press ▶▶I button.
The popup menu appears.

2 Select **Delete** using ∧ ∨ button, and then press **OK** button.
Deletes the selected file.

Viewing File Info with Navigation Mode

You can view file info in Navigation mode.



1 Select the file to view using ∧ ∨ button from the file list, and then press ▶▶I button.
The popup menu appears.

2 Select **Info** using ∧ ∨ button, and then press **OK** button.
View information such as the size of a file size, or date it is created.

Setting Mode

Set items related to **Music**, **Radio**, **Record**, **Viewer**, and **System**.

Setting Music

Set items related to music file playback. The items are **Repeat**, **EQ**, **User EQ**, **Lyrics**, **WOW**, and **File Info**. (See page 20.)

Setting Radio

Set items related to radio. The items are **Sound**, **FM Band**, **Seek Step**, **Auto Preset**, and **Reception**. (See page 31.)

Setting Record

Set items related to recording. The items are **Input** and **Quality**. (See page 38.)

Setting Viewer

Set items related to viewer display, such as photo files, and text files. The items are **Slide Speed** and **Book Mark**. (See page 43.)

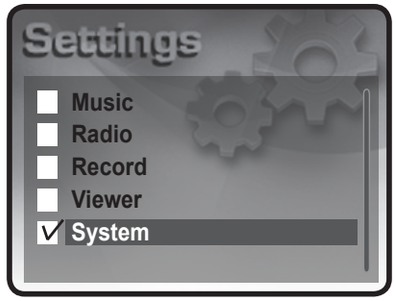
Setting System

Set items related to System. The items are **Language**, **Scroll Speed**, **BackLight Time**, **Bright**, **Sleep**, **Auto Power Off**, **Resume**, **Beep**, **Time & Date**, **USB Mode**, and **Information**.

Going to System Setting Mode

1 Select **Setting** using ∧ ∨/⏮ ⏭ button from Main Menu screen, and then press **OK** button.

2 Select **System** using ∧ ∨ button, and then press **OK** button.



Setting Language

You can set menu language and ID3 tag language.

1 Select **Language** using ∧ ∨ button, and then press **OK** button.

Note

- Changing the Language setting requires restarting the system to take its effect. So we recommand to turn it on again.
- HD400 provide English setting as a default-setting. In English, the other language(file name) data does not operated. If you want to listen to French song, there are two ways to rename the song in english or to select language setting in French.

2 Select the desired language using ∧ ∨ button, and then press **OK** button
Menu Languages: English, Korean, Japanese, Simplified Chinese, Traditional Chinese, German, French, Spanish, Russian
ID3 Tag Languages: 55 languages supported

Note

- When you select a language that is not supported, the menu language will be set in English.
- ID3 tag means the information about a song, and it displays the title, player or singer, name of the album, released year, and genre. The information will not be displayed if there is no ID3 tag info in the music file.
- 55 languages support ID3 tag. Among the 55 languages, English, Korean, Japanese, Simplified Chinese, Traditional Chinese, German, French, Spanish and Russian support both ID3 tag and menu language.

Setting Scroll Speed

When there are too many characters in a file name or ID3 tag to display in a line, you can view them by scrolling, and you can also set the scroll speed.

1 Select **Scroll Speed** using ∧ ∨ button, and then press **OK** button.

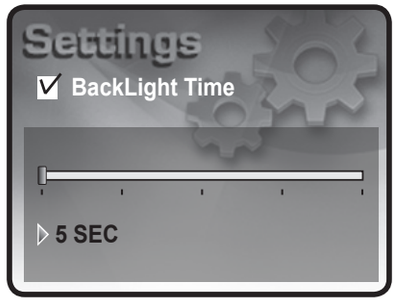
2 Select the desired scroll speed using ⏮ ⏭ button, and then press **OK** button.
Scroll Speed: You can select one from **NONE**, **2 PIXEL**, **4 PIXEL**, **6 PIXEL**, **8 PIXEL**, **16 PIXEL**. Select **NONE** if you do not want to scroll.

Setting BackLight Time

You can set to automatically turn off the backlight when the the set time elapses to reduce the built-in battery consumption.

1 Select **BackLight Time** using ∧ ∨ button, and then press **OK** button.

2 Adjust the backlight time using ⏮ ⏭ button, and then press **OK** button.
BackLight Time: You can select one from **5 SEC**, **10 SEC**, **15 SEC**, **20 SEC**, and **ALWAYS**. Select **ALWAYS** to keep the screen always on.



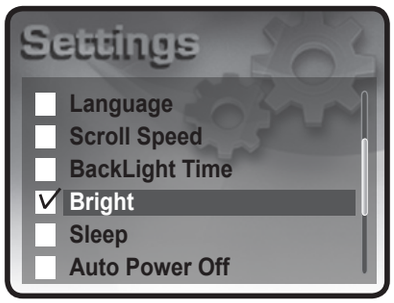
Note

- To turn on the backlight, press any button when it is off. The backlight turns off again the the set time is elapsed.
- For files that are played in screen such as video, photo, and text, the backlight does not turn off.

Setting Bright

You can adjust the brightness of the LCD screen.

1 Select **Bright** using ∧ ∨ button, and then press **OK** button.



2 Adjust the desired brightness using ⏮ ⏭ button, and then press **OK** button.
The brightness adjustment level is from **1** to **7**.

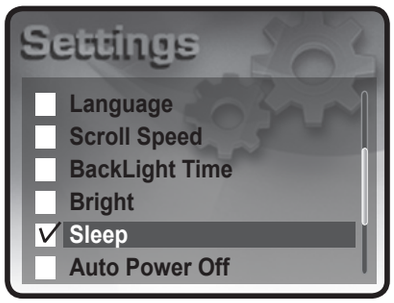
Note

- The brighter the adjustment is, the more the built-in battery is consumed. Adjust according the time you use the player.

Setting Sleep

You can set to turn off the power automatically when a certain period of time elapses.

1 Select **Sleep** using ∧ ∨ button, and then press **OK** button.



2 Adjust the desired Sleep time using ⏮ ⏭ button, and then press **OK** button.
Sleep: You can select one from **NONE**, **AFTER 10 MIN**, **AFTER 20 MIN**, **AFTER 30 MIN**, **AFTER 40 MIN**, **AFTER 50 MIN**, and **AFTER 60 MIN**.
Select **NONE** if you do not want an automatic turn off.

Setting Auto Power Off

You can set to turn off the power automatically when there is no button operation for a certain period of time.

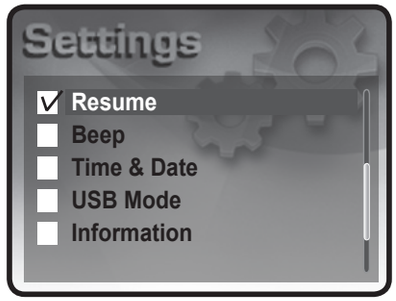
1 Select **Auto Power Off** using ∧ ∨ button, and then press **OK** button.

2 Adjust the desired Auto Power Off time using ⏮ ⏭ button, and then press **OK** button.
Auto Power Off: You can select one from **NONE**, **AFTER 3 MIN**, **AFTER 9 MIN**, **AFTER 12 MIN**, and **AFTER 15 MIN**.
Select **NONE** if you do not want an automatic turn off.

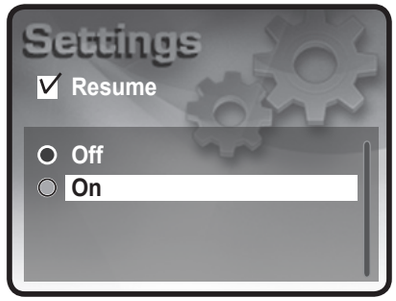
Setting Resume

You can set to play from the part previously viewed when the power resumes.

1 Select **Resume** using ∧ ∨ button, and then press **OK** button.



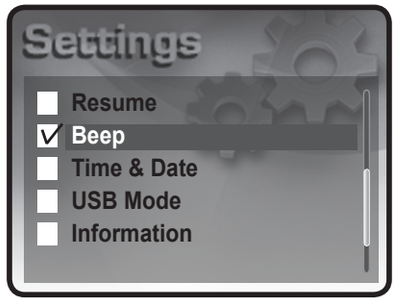
2 Select **On** or **Off** using ∧ ∨ button, and then press **OK** button.
On: Select Music to play the file that was played last when entering the play screen.
Off: The Main Menu screen appears when the power is turned on.



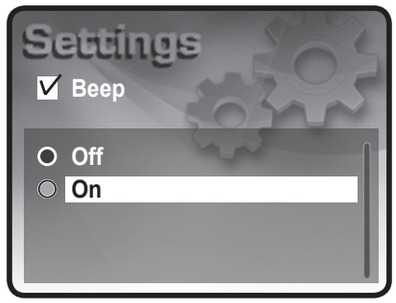
Setting Beep

You can set the Beep sound on or off during button operation.

1 Select **Beep** using ∧ ∨ button, and then press **OK** button.



2 Select **On** or **Off** using ∧ ∨ button, and then press **OK** button.
On: Beep sound is on.
Off: Beep sound is off.



Setting Time & Date

You can select a city name and set the time.

1 Select **Time & Date** using ∧ ∨ button, and then press **OK** button.
City names, time, and date appear according to the longitude of the world map.

Note

- You can set the current time by PC(Windows XP) connected to Internet
  (1) Connect the MP3 Player in MTP Mode with PC by USB Cable
  (2) Please Open Control Panel - Date and Time
  (3) Choose the Internet time Tab and check the " Automatically synchronize with Internet time server
  with an Internet time server"
  (4) And Clik "Update Now" button to set the current time.

2 Select the desired city name using ⏮ ⏭ button, and then press **OK** button.
Current time and date are automatically set.

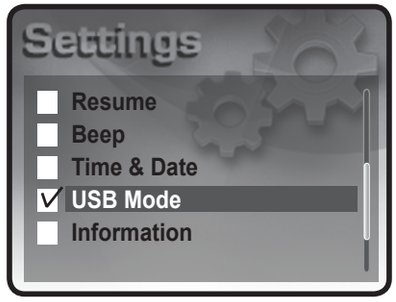
Note

- City names displayed by the longitude are as follows:
  London, Lisbon, Madrid, Paris, Amsterdam, Berlin, Stockholm, Rome, Vienna, Wien, Cape Town, Helsinki, Athens, Cairo, Ankara, Jerusalem, Moscow, Baghdad, Riyadh, Teheran, Abu Dhabi, Muscat, Tashkent, Ashkhabad, New Delhi, Calcutta, Almaata, Katmandu, Yangon, Bangkok, Hanoi, Jakarta, Singapore, Beijing, Hongkong, Taipei, Manila, Seoul, Tokyo, Pyongyang, Melbourne, Guam, Sydney, Sea of Okhotsk, Auckland, Wellington, Fiji, Samoa, Honolulu, Tahiti, Anchorage, Alaska, Vancouver, Seattle, San Francisco, Los Angeles, Phoenix, Denver, Salt Lake City, Mexico City, Dallas, Houston, Chicago, Detroit, Miami, Washington D.C., New York, Boston, Montreal, Caracas, La Paz, Santiago, Buenos Aires, Brasilia, Rio de Janeiro, Sao Paulo, Atlantic, Cape Verde

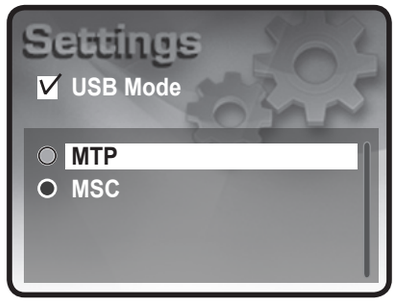
Setting USB Mode

You can set the USB mode when connecting to PC. This player supports both MTP and MSC modes.

1 Select **USB Mode** using ∧ ∨ button, and then press **OK** button.



2 Select the desired USB mode using ∧ ∨ button, and then press **OK** button.
MTP (Media Transfer Protocol): Select it when you want to transfer files using Windows Media Player.
MSC (Mass Storage Class): Select it when you want to use the player as a portable storage device.



Note

- To use in MTP mode, Microsoft Windows Media Player 10 must be installed in Windows XP environment.

Connecting to MTP (Media Transfer Protocol)

Used to connect to your PC with Window Media Player. To connect to MTP mode, Windows Media Player 10 or later must be installed in a Windows XP environment, and the player must be set to MTP mode.
This player can be recognized as a removable disk and download music files only in this environoment.
When connected in MTP mode, Windows Media Player will run automatically, and files stored in the library can be automatically or manually synchronized to the player. Music files with Microsoft's Janus DRM (Digital Rights Management) can also be downloaded. These musice files will be automatically sorted by artist and album as they are downloaded.

If connected in MTP mode

Connecting to MSC (Mass Storage Class) mode

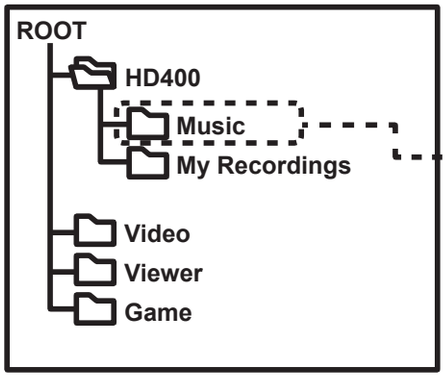
Used to connect as USB Mass Storage mode that enables the product to be used as a removable disk, regardless of the operating system, such as Windows98/ME/2000/XP & Mac or others. This feature is the same as our other products. For Windows 98/SE, please see the user's manual in the CD to install the "Windows 98 Device Driver" first.

If connected in MSC mode

What is MS Janus DRM?

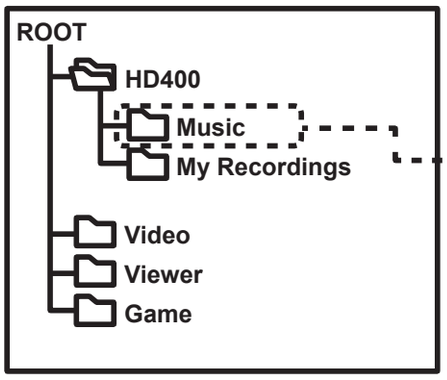
MS Janus DRM is a next-generation Digital Rights Management solution developed by Microsoft and its official name is Windows Media DRM 10 for Portable Devices. Portable devices with MTP (Media Transfer Protocol) such as MPIO SOLID can download and play music files from online sites that provide music files protected by MS DRM. Current site that offers music download services with Janus DRM is Napster To Go (US). This site provides music download for rent services with a certain fixed fee each month.

Folder Structure



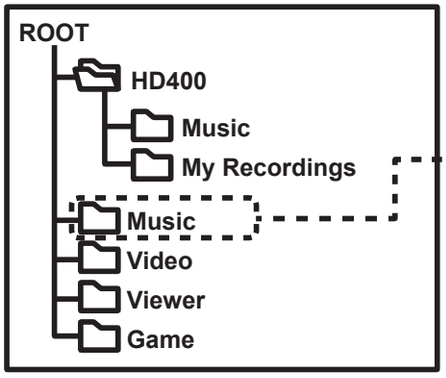
When downloading files to the Windows Media Player after selecting MTP Mode in the USB Connection Settings

- Music files are automatically downloaded to the HD400\Music folder and automatically sorted.



When downloading files after selecting MSC Mode in the USB Connection Settings

- Save music files to the HD400\Music folder.



When downloading files by running Windows Media Player after selecting MSC Mode in the USB Connection Settings

- The Music folder is automatically created and the downloaded music files are automatically downloaded and sorted in the folder.

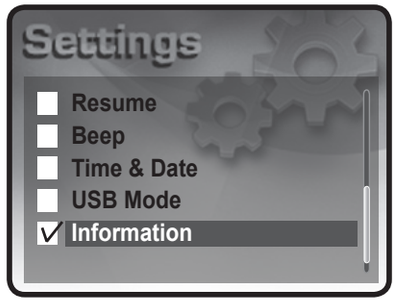
Caution

- When changing or deleting the files in the Prop and SYSTEM folders, the product will not work normally. Take care to not change or delete the files in these folders.
- Format the disk using the supplied utility program.

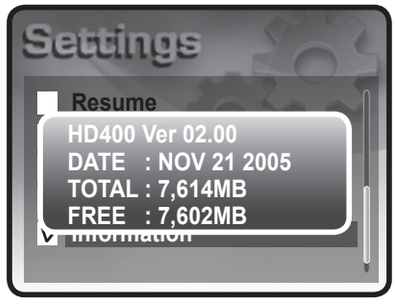
Confirming Information

You can view the information such as model name, firmware version, HDD capacity, and currently available capacity, etc.

1 Select **Information** using ∧ ∨ button, and then press **OK** button.
Information about the product appears.

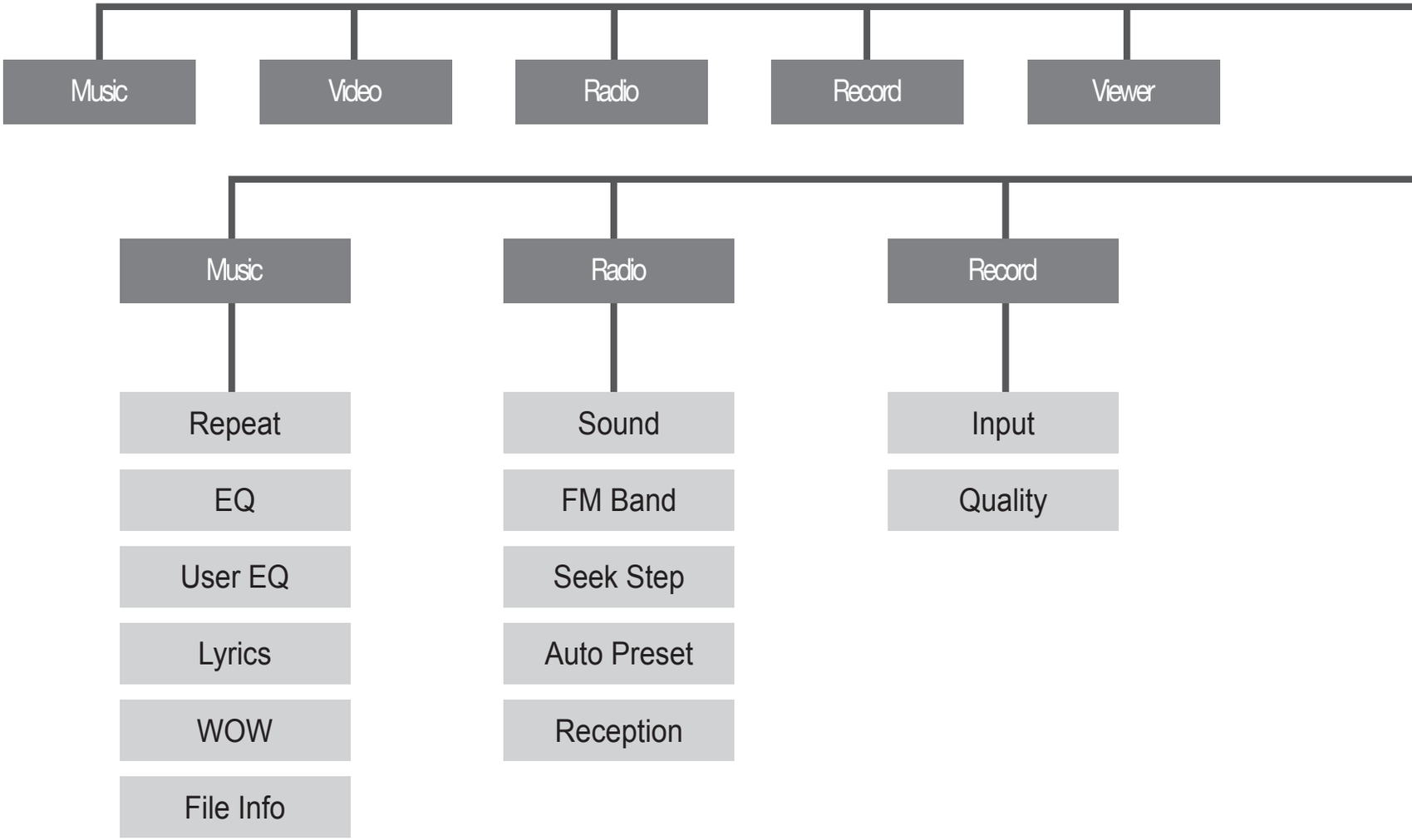


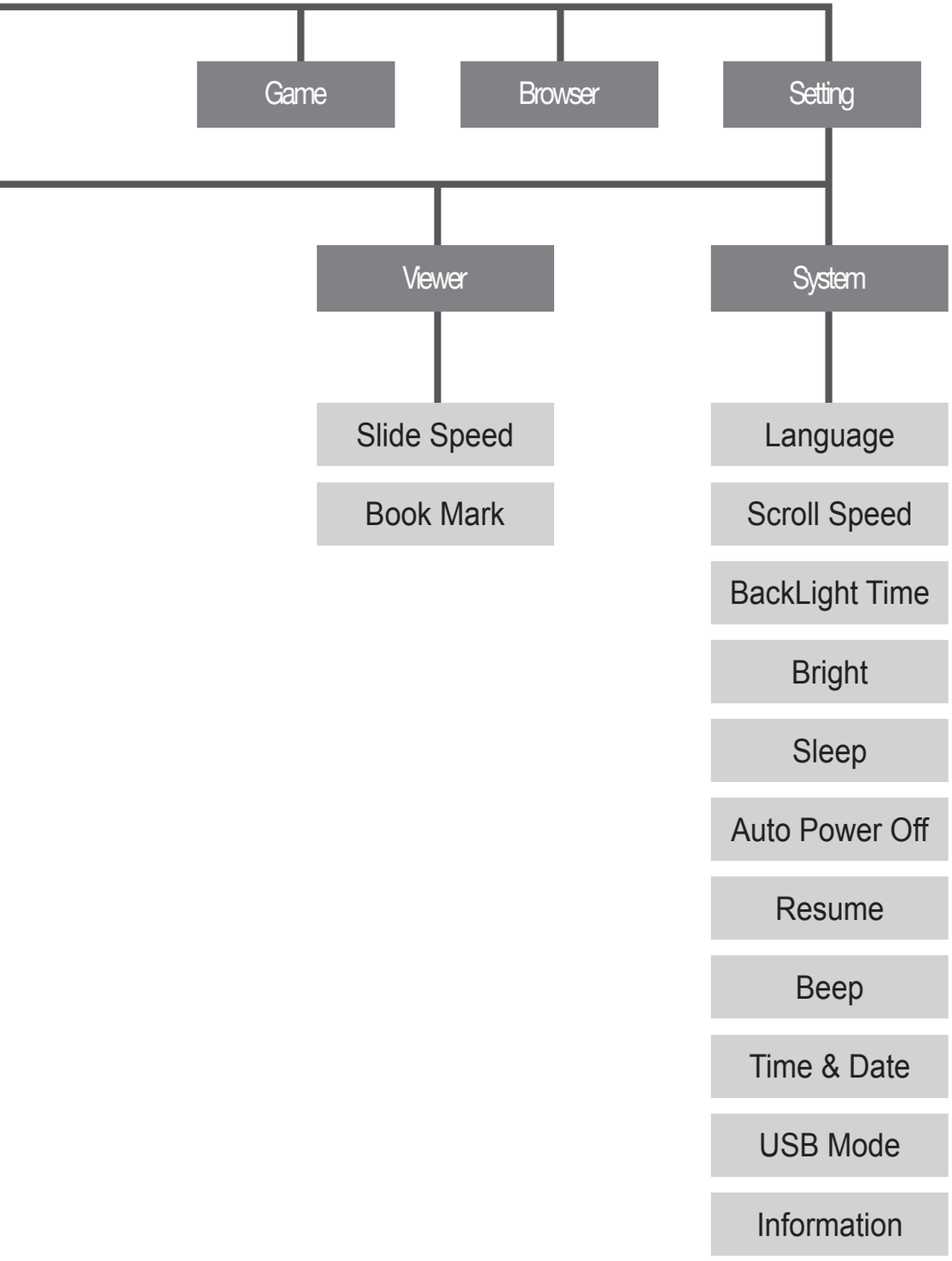
2 To exit, press **OK** or **MENU** button.



Menu Structure

The menu structure is subject to change in the future with firmware upgrades in order to improve and make the usage more convenient.




Game
Browser
Setting
Viewer
System
Slide Speed
Book Mark
Language
Scroll Speed
BackLight Time
Bright
Sleep
Auto Power Off
Resume
Beep
Time & Date
USB Mode
Information

Connecting to a PC

System Requirement

IBM PC

System: USB Interface 2.0, Standard device and a CD-ROM Drive equipped
CPU: Pentium 133MHz or faster
Memory: 64MB or more
Hard disk space: 20MB or more
Supported Operating Systems: Windows 98 / 98SE / ME / 2000 / XP

Macintosh

System: USB Interface 2.0, Standard device and a CD-ROM Drive equipped
Ex.) Power Mac G3 (Blue & White) / G4 / G4 Cube, iMac / iBook, PowerBook, PowerBook G4
Memory: 64MB or more
Hard disk space: 20MB or more
Supported Operating Systems: Mac OS version 9.2 or later

Caution

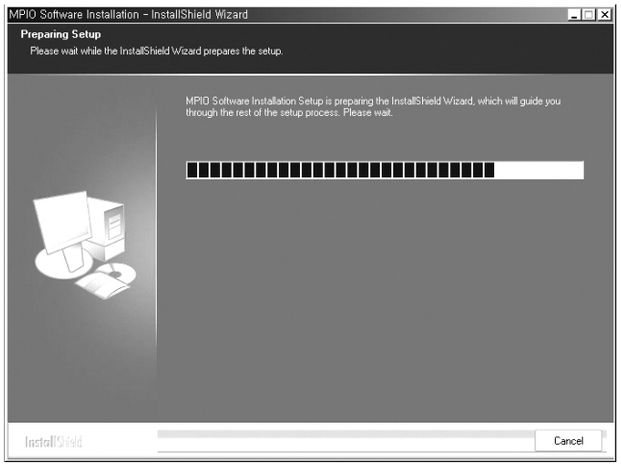
- Connection using USB Hubs or extension cables is not guaranteed.

Note

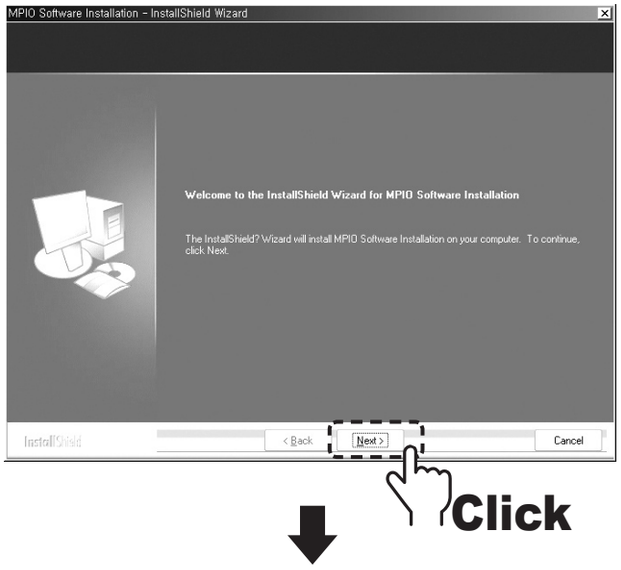
- In Windows 98 / 98SE, the program must be installed to use HD400 as a removable disk. Please install the USB drivers before use.
- In Windows ME, 2000, XP, HD400 may be used as a Removable Disk without any separate programs. HD400 is accessible though the Windows Explorer.
- To format, or upgrade the firmware of HD400 in Windows 98, 98SE, ME, 2000 or XP, please install the MPIO Utility.

Installing the Software

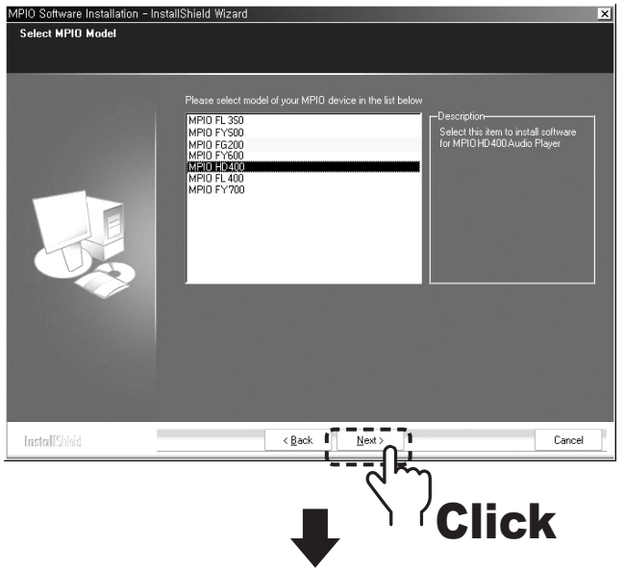
1 Insert the Installation CD into the CD-ROM Drive. The installation will auto-start and the installation will begin as shown in right. If the installation doesn't auto-start, double-click the CD-ROM icon in Windows Explorer.



2 Click the **Next** button.



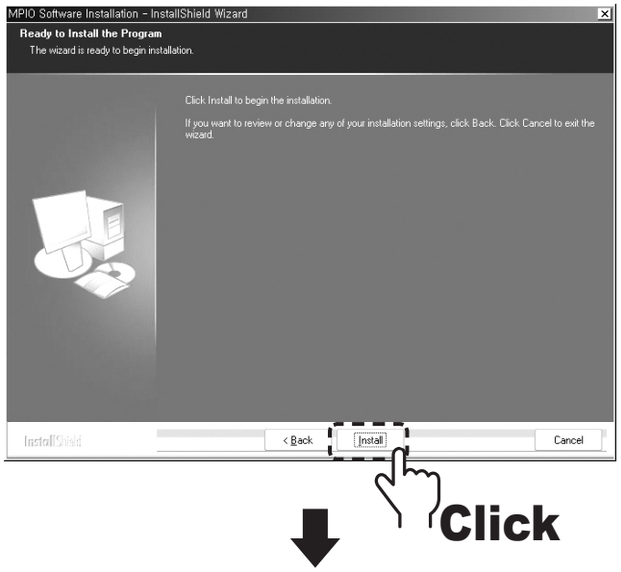
3 After selecting **[HD400]**, click the **Next** button.



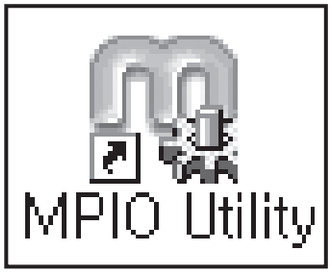
4 Click the **Next** buton.
All the utility programs will be installed. The user can select the programs needed to install. But, the following items must be installed.

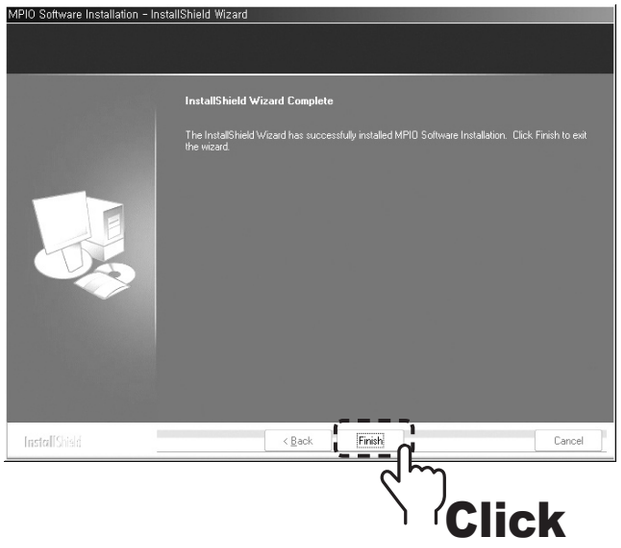
- **Windows 98 Device Driver (For Windows 98/98SE user's only)**
- **MPIO Utility**
- **Windows Media Player Plug-in**

5 Click the **Install** button to install the selected utilities in order.

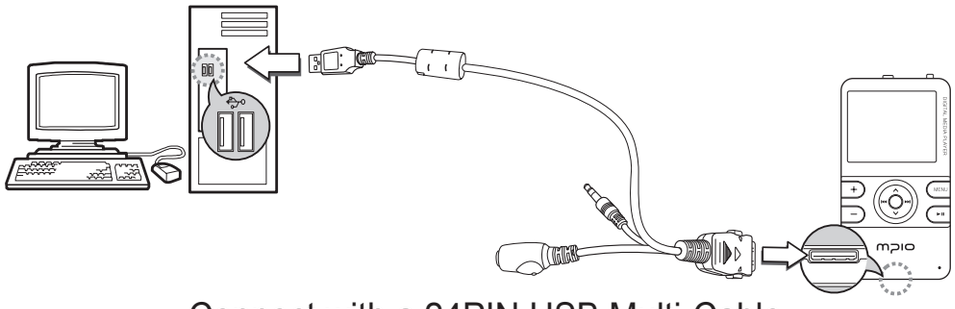


6 Click the **Finish** button to finish the installation.
Check the MPIO Utility icon on the desktop to confirm installation.





Connect with a 24PIN USB Multi-Cable



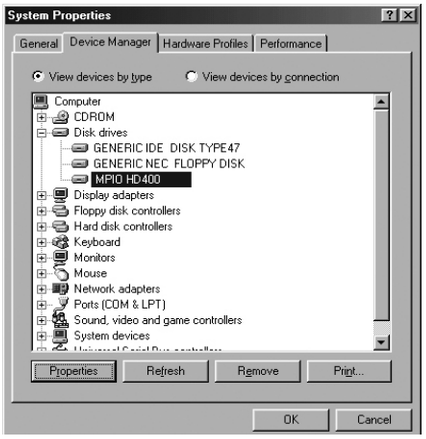
Connect with a 24PIN USB Multi-Cable

1 As in the figure, connect the product to the USB connection port on the computer with the 24PIN USB Multi-Cable.
Removing 24PIN USB Multi-Cable while initializing when you install the USB driver or executing a command may cause malfunctioning of the computer.

2 The USB Driver will be installed with a message indicting “Looking for a New Device”.
The installation screen may not appear. Check the Device Manager to confirm the installation.

Confirming USB Installation

- Windows 98/ME:
  [Control Panel] → [Systems] → [Device Manager] → [Hard Disk Controllers] → MPIO HD400 USB Device
- Windows 2000/XP:
  [Control Panel] → [Systems] → [Hardware] → [Device Manager] → [Disk Drives] → MPIO HD400 USB Device



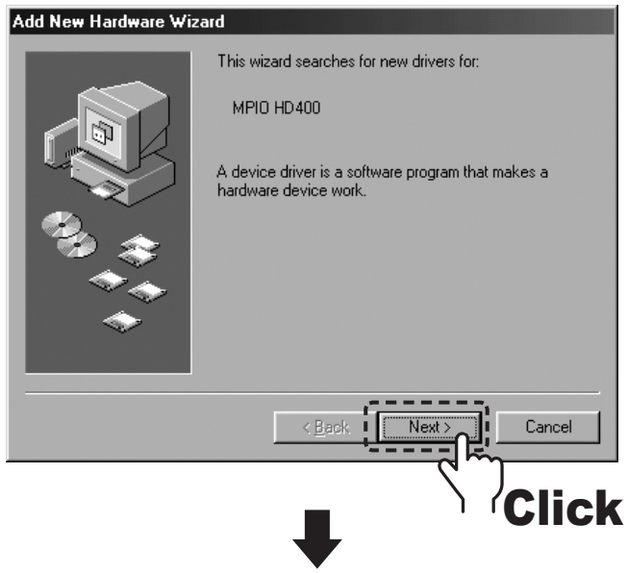
Note

- If the system operating under Windows 98/98SE don’t connect with HD400 automatically, install the USBDriver manually by referring to “Installing USB Driver Manually”.

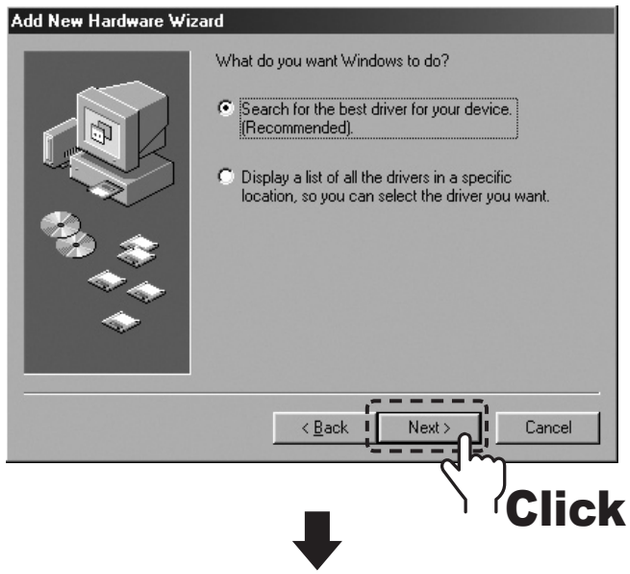
Installing USB Driver Manually

Please refer to the below only if the device is not plugged with Windows 98/98SE.

1 Connect HD400 with a computer with the 24PIN USB Multi-Cable. When **Add New Hardware Wizard** window appears on the screen as shown in right, click the **Next** button.



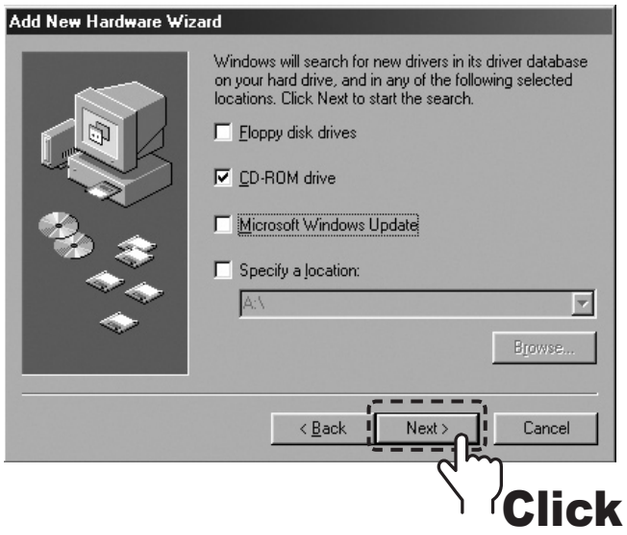
2 Check **Search for the driver for your device**, click the **Next** button.



Installing USB Driver Manually

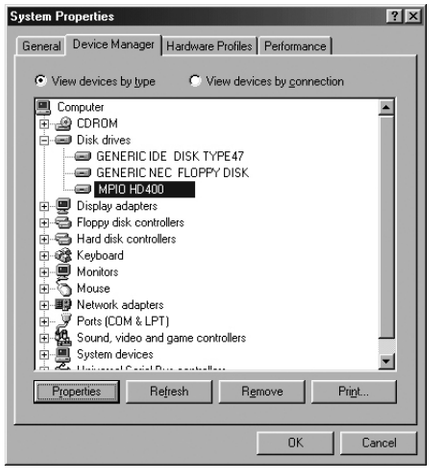
3 Insert the CD included in the package into the **CD-ROM**, check **CD-ROM DRIVE** and click the **Next** button.

4 When the driver installation is completed, an **Installation complete** window will appear on the screen. Then, click the **Finish** button.



Go to the following destination to confirm that the installation was completed successfully.

- Windows 98/ME:
  [Control Panel] → [Systems] → [Device Manager] → [Hard Disk Controllers] → MPIO HD400 USB Device



Note

- In Windows 98 / 98SE, the program must be installed to use HD400 as a removable disk. Please install the USB drivers before use.

Downloading in MTP Mode

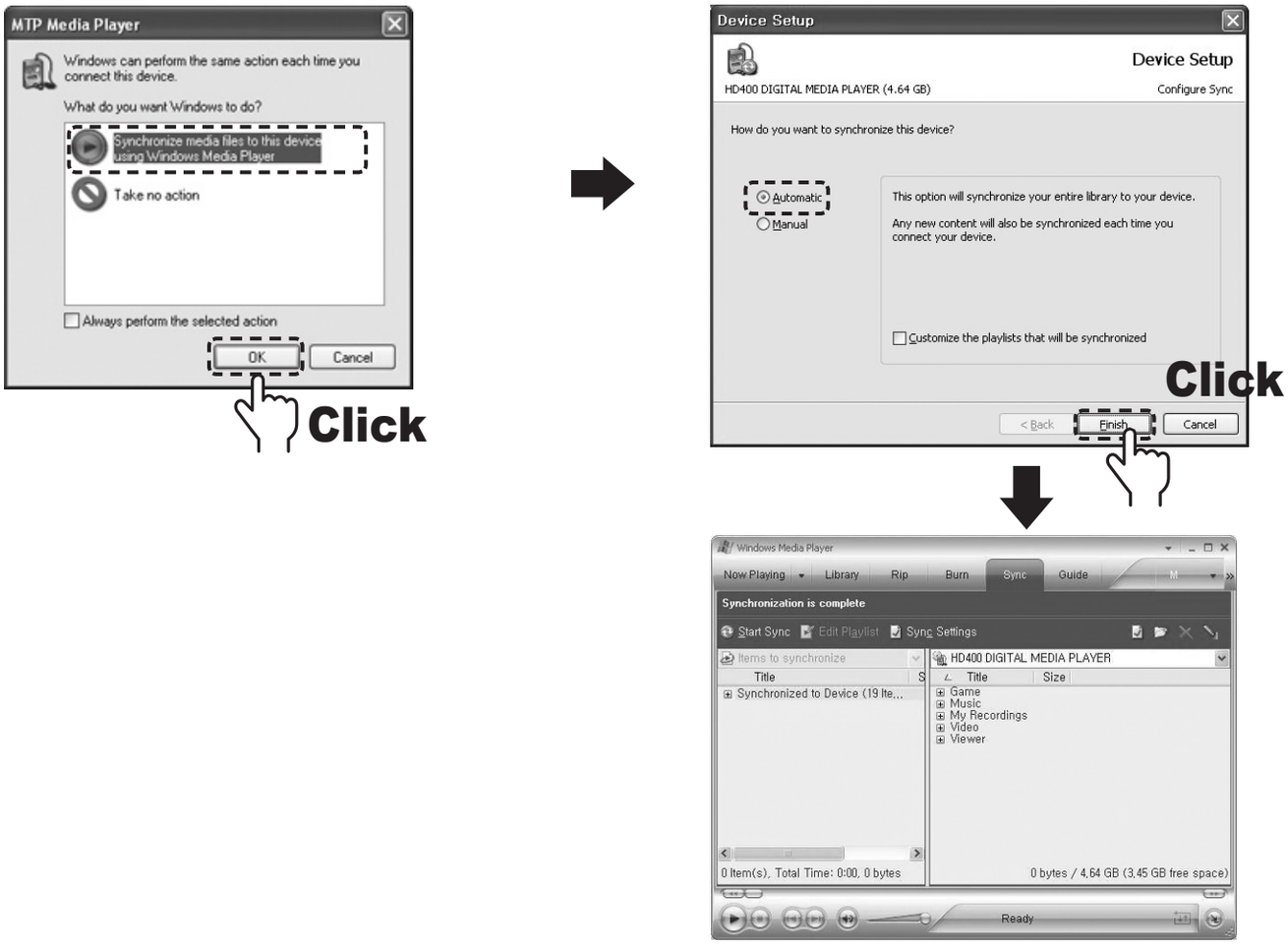
This is a downloading method using Windows Media Player 10.

1 Set **USB Mode** as **MTP** in the **System** Setup Menu. (See page 57.)

2 Connect the product to a PC using the 24PIN USB Multi-Cable.

3 The connection screen appears when the connection is correct.
Select the steps as shown in the following figures, and then click **OK** button.

4 Select the synchronization method, and then click **Finish** button.
Synchronization completes.
Automatic: All music files saved in the PC will be downloaded.
Manual: You may select music files saved in the PC and download them.



Using a Removable Disk

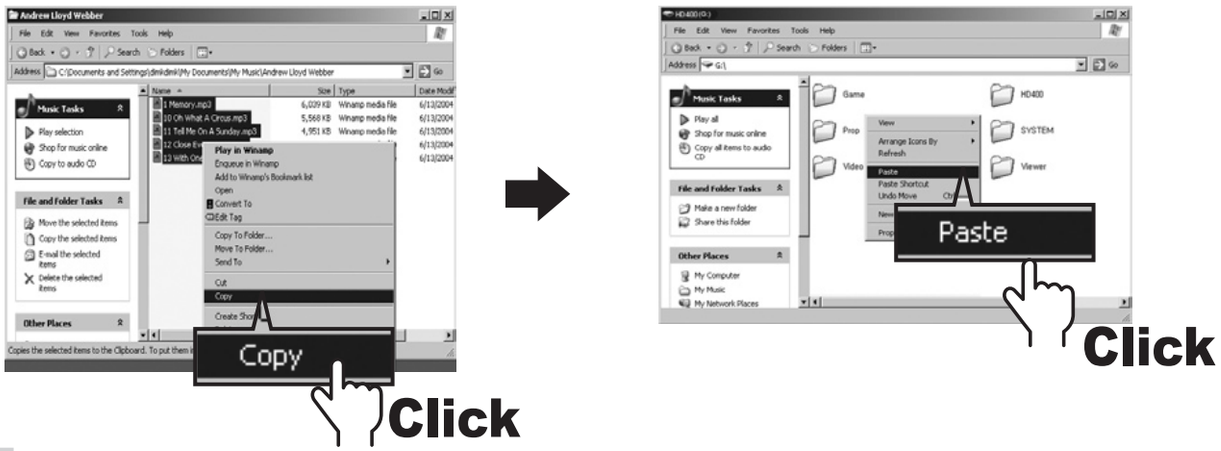
File Download / Upload / Delete

1 You can connect the product to the PC with the 24PIN USB Multi-Cable while the product is on or off.
If connected, a connection icon will appear in the LCD screen.

2 Run Windows Explorer on the PC
A Removable Disk Drive Icon will be created in Windows Explorer.

3 The user can store, delete data and create a folder in the same way as a hard drive. Copy & Paste, Drag & Drop commands can be used in the same way to store data.

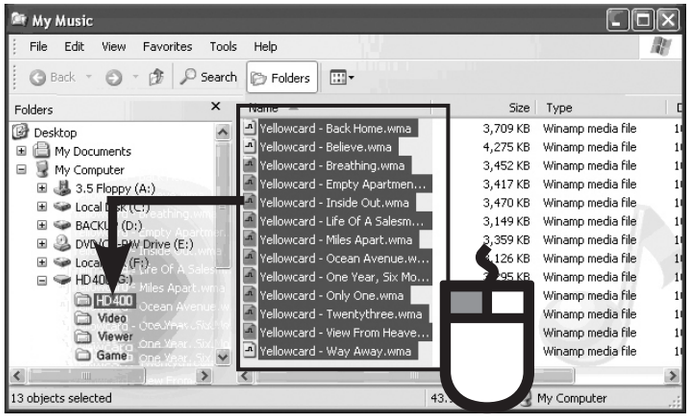
Copy & Paste: Select the data to store, click on right mouse button. Select **Copy** and then **Paste** in the Removable Disk drive.



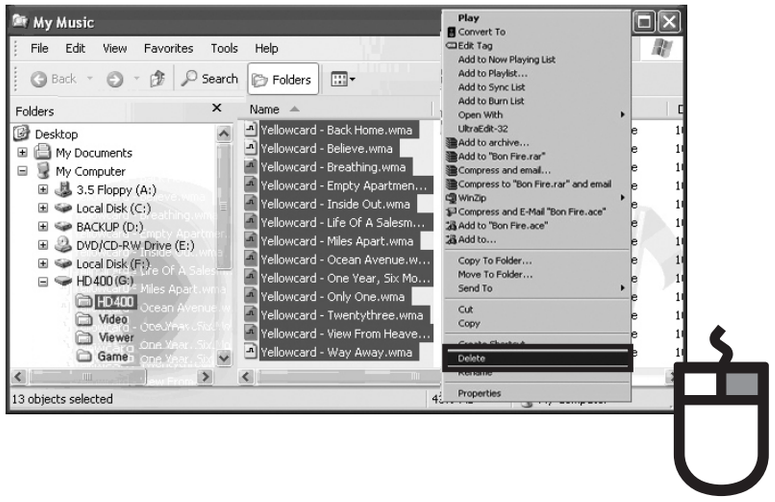
Note

- The actual available memory capacity can be reduced depending on the logical file system regardless the memory capacity of the product.
- Data transmission speed may vary depending on the user's computer specifications.
- PC connection using extension cord such as USB hub is not guaranteed.
- The above content is subject to change without a prior notice for product functionality improvement and supplementation.

Drag & Drop: Select the data store, click and hold down the left mouse button to drag the files into the Removable Disk drive, and then release the left mouse button.



File Deletion: After selecting the data you want to delete, click the mouse to select **Delete**. The selected file or folder is deleted.



Note

- If the 24PIN USB Multi-Cable is disconnected while a file is being uploaded or downloaded, the device may malfunction.
- The music file display order in Windows Explorer when you select a removable disc can be different from the actual playback order. Files are played according to the order they are copied.

Using a Removable Disk

Disconnecting the USB Connection

It is recommended that you follow these directions for separating the device from the PC safely. If these instructions are not followed, it may result in data damage or product malfunction.

Windows 98 / 98SE Users

There is no Safely Remove Hardware command in Windows 98 / 98SE. The user must wait until the file/data transfer is complete, and then disconnect the 24PIN USB Multi-Cable.

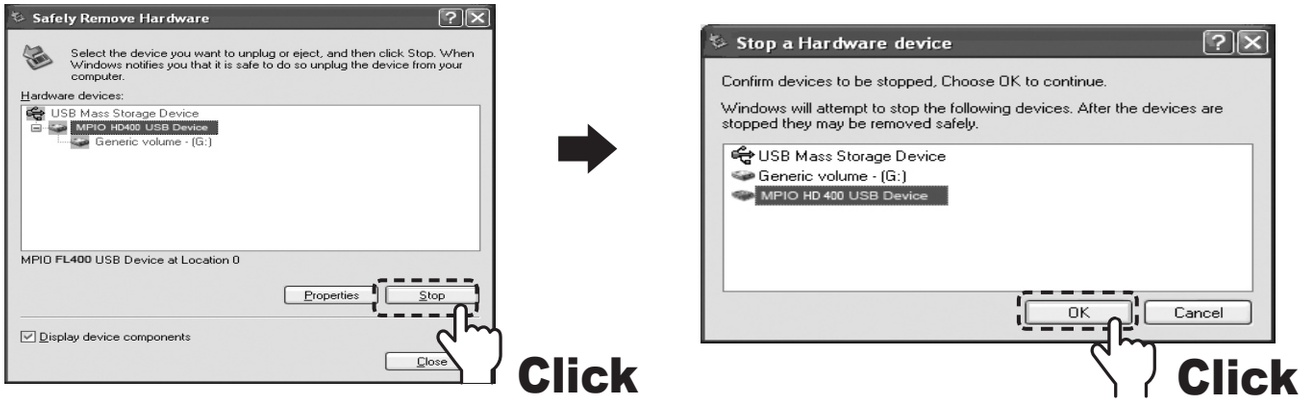
1 Place mouse cursor on **Stop a Hardware Device** icon in the system tray, and click right mouse button.

2 Select **Stop USB Mass Storage Device**.

3 Select USB Mass Storage Device from the list of hardware, and click the **Stop** button. When the **Stop a Hardware Device** window appears, select MPIO HD400 USB Device. Then, click the **OK** button and disconnect the 24PIN USB Multi-Cable.

Note

- In Windows 2000, disconnect the 24PIN USB Multi-Cable by clicking the [OK] button after the “Safely Remove Hardware” message appears. In Windows XP, disconnect the 24PIN USB Multi-Cable after the “Safely Remove Hardware” message appears.



Before installing the Transcoder

To use the movie playback function appropriately, use the included PMP Transcoder to convert the file into the required format.
All convertible files types may be converted and tested using the Transcoder.

About Transcoder…

MP4 PMP Transcoder is a program that converts the WMV, ASF, MPEG4, DivX, AVI file formats use in desktop PC environment into MP4 file format, which can be played by the PMP Player HD400.

- Supported File Types: AVI, MPEG4, WMV, DivX

The following hardware, software requirements must be met for the Transcoder to operate.

H/W Requirements

- CPU: Intel Pentium4 1 GHz or higher
- HDD: 20 MB or more

S/W Requirements

- Microsoft DirectX 9.0 or later (required)
- Microsoft Media Player 9.0
- Unified Codec Pack (K-Lite Codec Pack) **(http://www.k-litecodecpack.com)**
- OS : Windows98 SE / Windows ME / Windows 2000 / Windows XP
- Please check the hardware specification of the PC to make sure it supports the Transcoder. The software specifications may be checked by downloading the required programs from the internet.

Note

- Pixtree Transcoder, the video conversion program used in MPIO SOLID does not support Macintosh. Therefore, Transcoder cannot be used in Macintosh.
- Even if K-Lite codec was installed, the video file conversion with Transcoder may not be performed depending on the user's PC environment. In such case, please download and use other combined codec from the Internet.

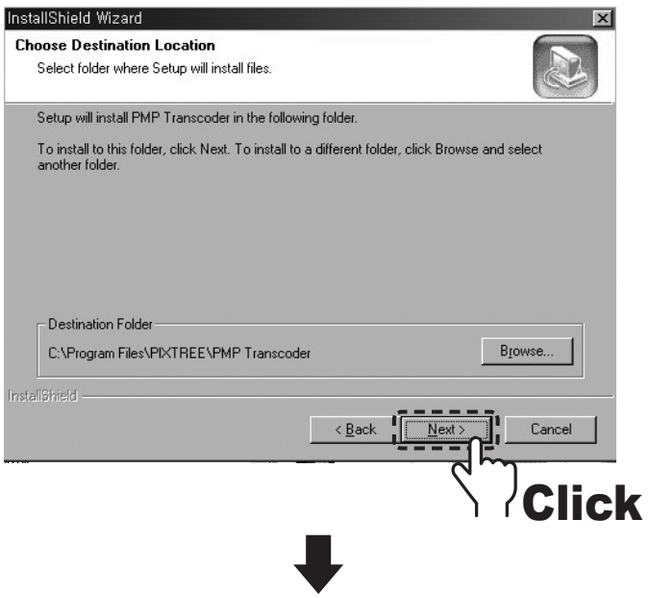
Installing the Transcoder

Software installation

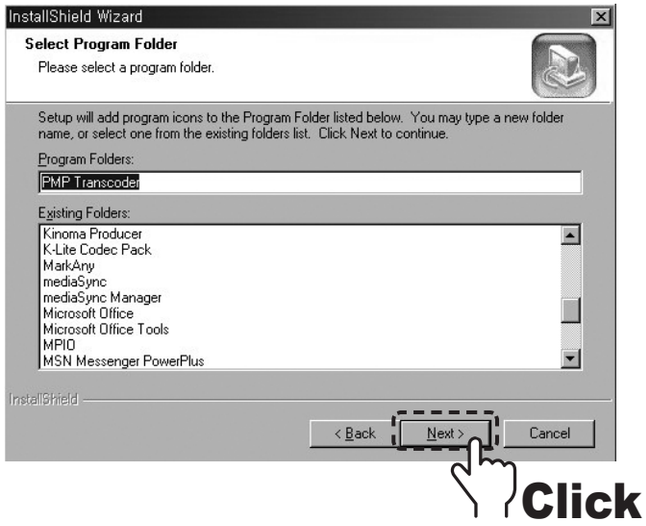
1 Select the PMP Transcoder included in the installation CD and run it.

2 Click the **Next** button.

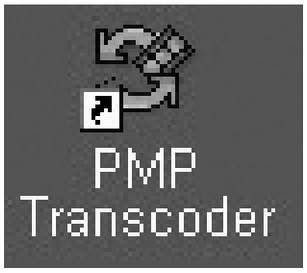
3 Use the Browse button to select the target installation directory and then, click the **Next** button.

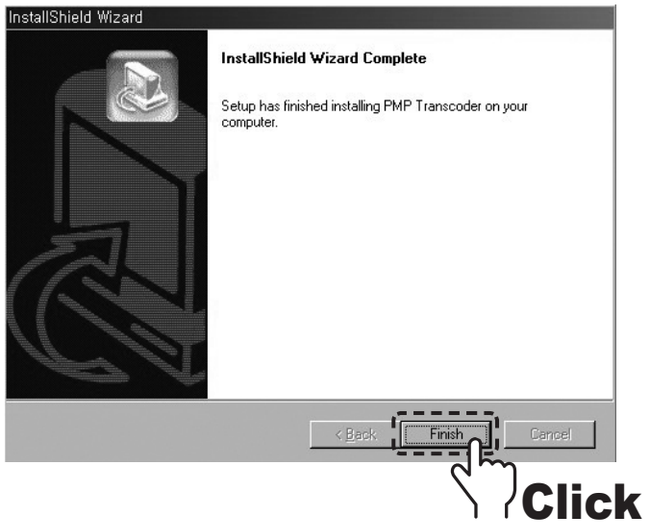


4 Click the **Next** button.



5 When the installation is complete, click the **Finish** button. The Transcoder icon will appear on the desktop.





Transcoding

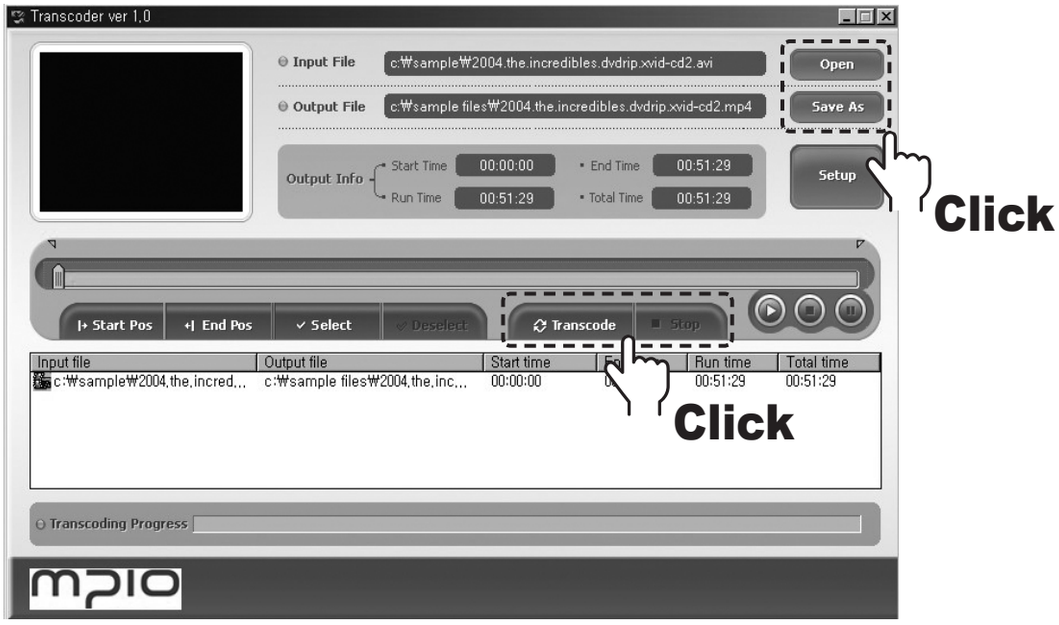
1 Double-click the Transcoder icon.

2 Press the (Open) button to select the Input File.
The file name of the output file is as same as the input file besides the changed extension, MP4.

3 Press the (Save As) button to save the output file as a different file name and then, select the file name to be created.

4 Press the (Transcode) button to transcode the whole Input File.

5 Press the (Stop) button to stop trans-coding.
The **Transcoding Complete** will appear when transcoding is finished.



Transcoding certain parts

1 Select 1 file from the list box.

2 Press the (▶) button to play back the selected file.

3 Move the seek bar to the intended starting position.

4 Press the (I▸ Start Pos) button to set the start position.
The (◥)mark will appear at the start position.

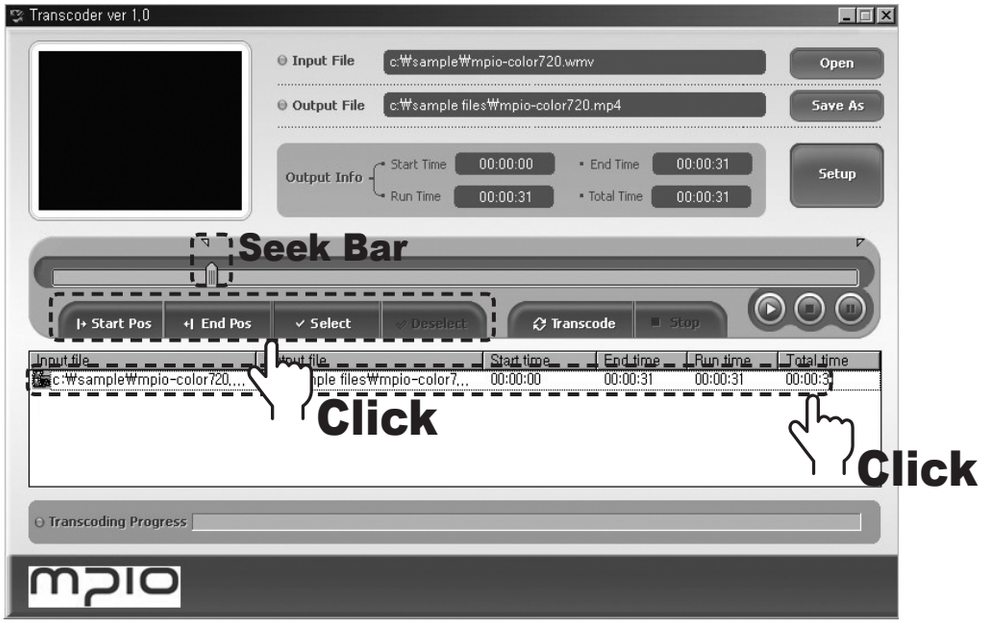
5 Move the seek bar to the intended ending position.

6 Press the **End Pos** (▸I End Pos) button to set the end position.
The (◤)mark will appear at the end position like the start position marker.

7 Press the (✓ Select) button to confirm the selected section.
The selected section will turn blue to indicate that it has been selected.

8 Press the (✓ Deselect) **Deselect** button to cancel the selection.

9 Press the **Transcode** button to start conversion, and the **Transcoding Complete** will appear when transcoding is finished.



Note

- Depending on the format of the input file, transcoding may not be supported.

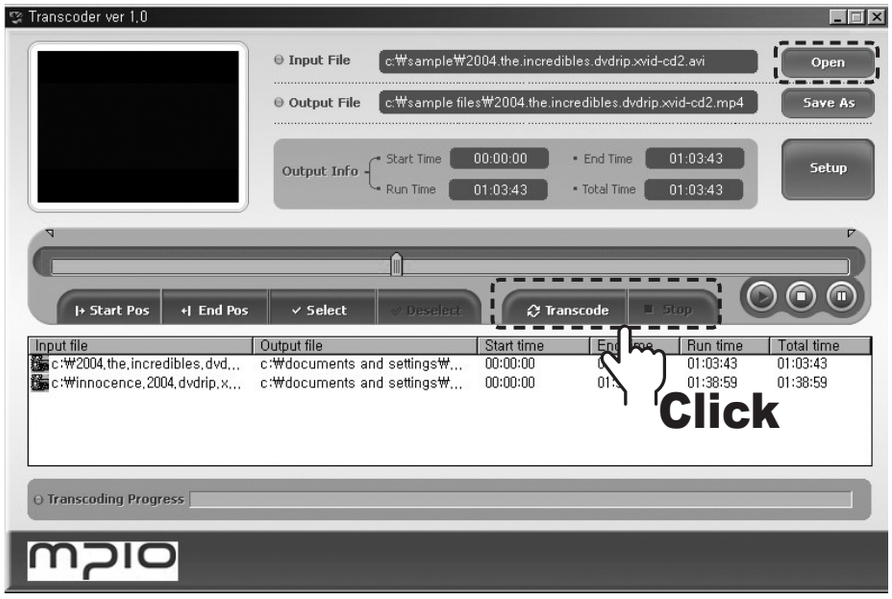
Transcoding registered files

1 Select the files by clicking the (Open) button several times or drag & drop the files to transcode in the list box.

2 To cancel the selection of files to transcode, select the file to cancel, and click right mouse button and a pop-up window will appear. Choose **Delete Selected List** to deselect selected files, or choose **Delete All List** to cancel all files.

3 Click the (Transcode) button to convert all files. The file currently being converted will be highlighted in the list box.

4 Click the(Stop) button to skip the current file and convert the next file on the list.



Checking File Information

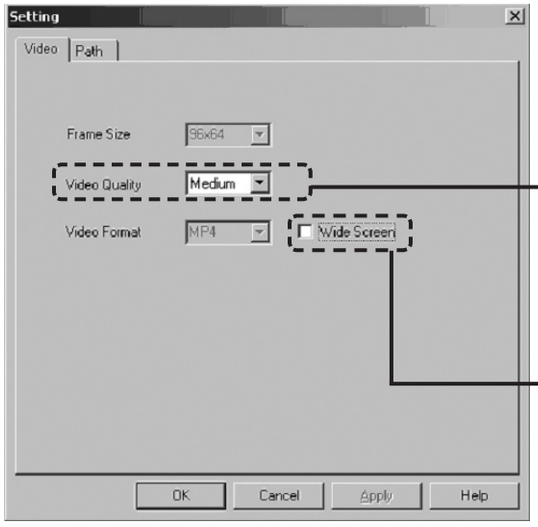
Select one of the files in the registered file list and double-click or click right mouse button and select **View File Information** to view the file information. The file information dialogue box will disappear when the ESC key is pressed or the mouse is clicked on top of the dialogue box.

Setting Directory

Set the video options, and set the directory for storing the Output File.

1 Click the ( )button to see the tab dialogue for Video and Directory Settings.

2 Select the tab to setup, and choose the options.



Video Quality

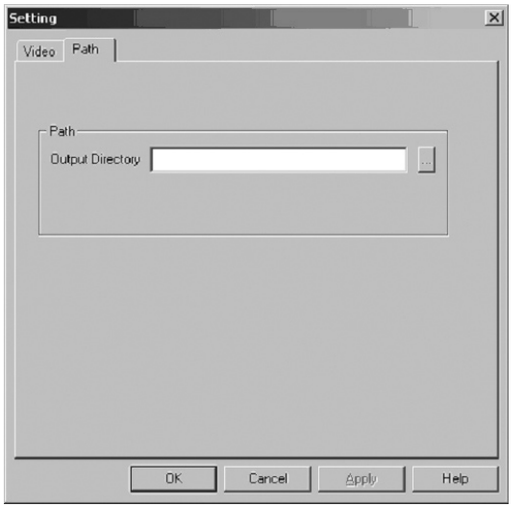
Select the quality of the video by choosing desired quality in the Video Quality box.

Wide Screen

Many of DivX movies are made in 720x480 wide screen format. Choosing this option will show the movie in the original screen ratio.

3 Select the **Path** tab.

- Designated the directory for the converted files to be saved in.



Using the Transcoder

1 Double-click the PMP Transcoder Icon ( ) .

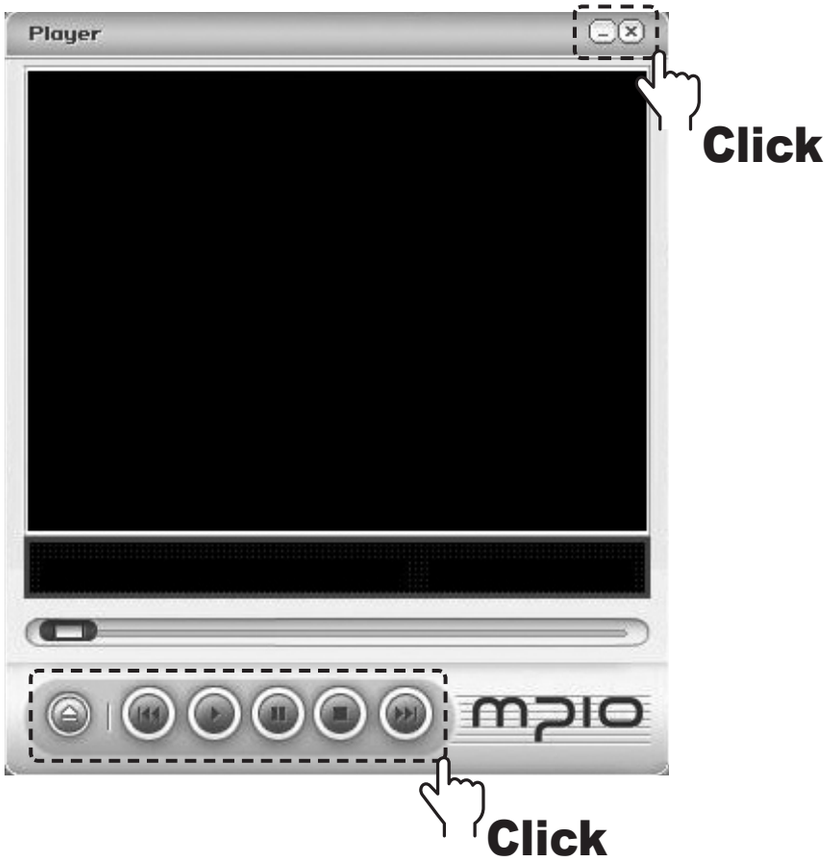
2 Click the ( )button to select the file to play.
The file format is selected as a MP4.

3 Click the ( )button to play the file.

4 Fast-forward or rewind by clicking the ( ) or ( )button.

5 Click the ( )button to pause the video, and click the ( )button to stop the video.

6 Click the ( )button to minimize the window, and click the ( )button to close it.



Formatting

You can format HD400 from a Windows PC using MPIO Utility.

1 Turn on the device and connect the device to the computer with the 24PIN USB Multi-Cable.

2 Double-click **MPIO Utility** icon in your desktop.

3 Click the **Format & Config** button.

4 Click the **OK** button.

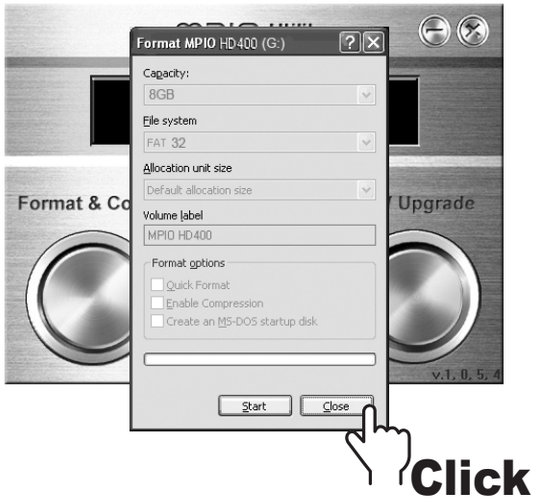
5 Click the **Start** button.

6 Click the **OK** button.

Formatting

7 When formatting is complete, click the **OK** button.

8 Click the **Close** button.



9 Click the **OK** button after the **Safely Remove Hardware** message appears as shown.

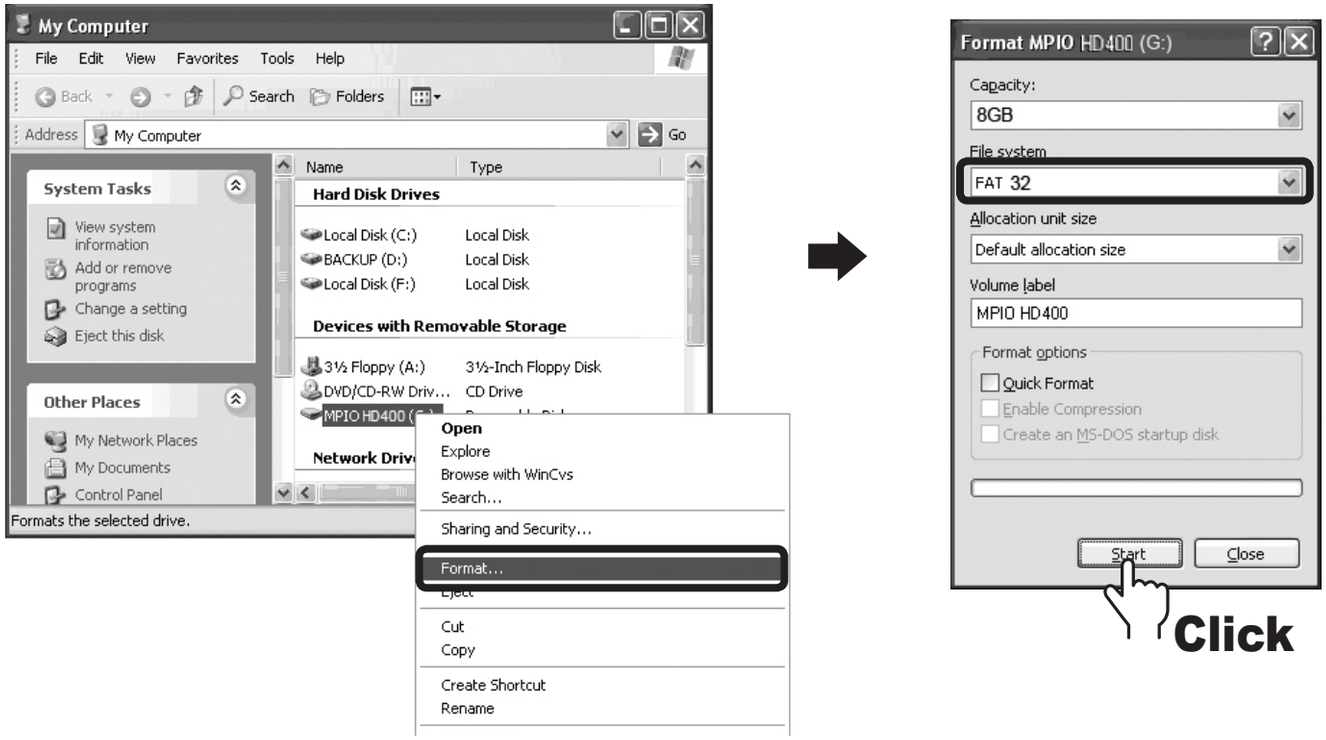
10 After clicking the **OK** button, **Format & Config** (Default Setting Restoration) is complete. You may separate the device from the PC.

Note

- The captured screens of MPIO Utility may vary for the user's PC environment.
- MPIO Utility does not support Macintosh. Therefore, MPIO Utility cannot be used in Macintosh.
- For information regarding MPIO Utility installation, refer to [Installing the software] on page 63.

Follow the instructions when formatting HD400 using a Windows PC without MPIO Utility.
Using MPIO Utility is recommended for formatting the device.

1 Select the Removable Disc icon. Click your right mouse button and select **Format**. Click the **Start** button.



Note

- When formatting the device using the Windows FORMAT Command, it must be formatted in FAT32. To use the device after it has been formatted, the default settings must be restored using MPIO Utility. See page 86 [Storing Default Settings] for more information.
- The captured screens of MPIO Utility may vary for the user's PC environment.

Caution

- The files in HD400 WILL BE LOST after formatting.
- Disconnect the 24PIN USB Multi-Cable after formatting. Turn the power off, and then turn it on again to restart. The System folders are created. Connect the 24PIN USB Multi-Cable again to download the music files.

Storing Default Settings

When HD400 has been formatted using the Windows FORMAT Command (FAT32), the default settings must be restored using MPIO Utility's Setup Config function.

1 Turn the power of HD400 ON and connect it to a computer using a 24PIN USB Multi-Cable.

2 Double-click **MPIO Utility** icon in your desktop.

3 Click the **Setup Config** button.

4 Click the **OK** button.

5 Click the **OK** button after the Safely Remove Hardware message appears as shown.

6 After clicking the **OK** button, **Setup Config** (Default Setting Restoration) is complete. You can unplug the device from the PC.

Note

- MPIO Utility does not support Macintosh. Therefore, MPIO Utility cannot be used in Macintosh.
- Only supports FAT32.

Upgrading Firmware

See page 63 [Installing the software] for information on how to install MPIO Utility.

1 Download the firmware from MPIO web site and save it on the PC.
(www.mpio.com)

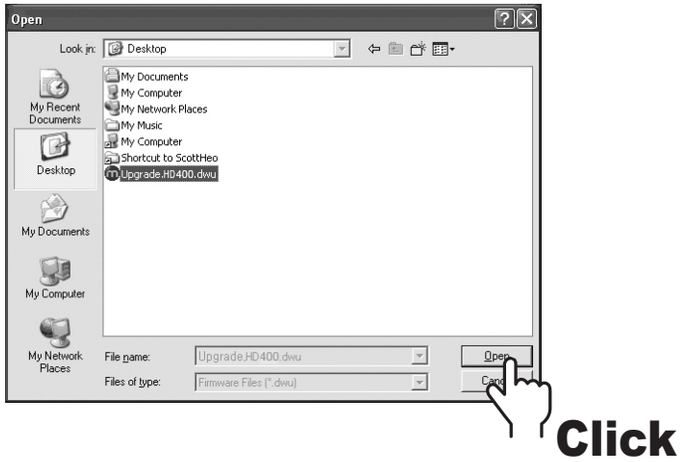
2 Turn the power of HD400 ON and connect it to a computer using a 24PIN USB Multi-Cable.

3 Double-click **MPIO Utility** icon in your desktop.

4 Click the **F/W Upgrade** button.

5 Click the **OK** button.

6 Select the downloaded Upgrade.HD400.dwu file in the **Browse** window and then, click the **Open** button.



Note

- The firmware upgrade file downloaded from the MPIO web site is a compressed file, and you can upgrade the device through the MPIO Utility. Please use the utility when upgrading the firmware.
- MPIO Utility does not support Macintosh. Therefore, MPIO Utility cannot be used in Macintosh.

Upgrading Firmware

7 Click the **OK** button after the Hardware Safely Removed message appears as shown.

8 After clicking the **OK** button, the first part of **firmware upgrade** is complete.

9 Firmware is automatically upgraded when the device is unplugged from your PC.
When the firmware upgrade is complete, HD400 will be turned OFF automatically.

Note

- Disconnecting the 24PIN USB Multi-Cable while upgrading firmware may cause fatal damage to the product. Make sure the 24PIN USB Multi-Cable does not get disconnected.
- Please be aware if you apply external shock or the battery is low while the player is upgrading the firmware, it can cause product breakdown or malfunction.

Upgrading Firmware in Macintosh

1 Download the firmware upgrade for Macintosh at MPIO web site, uncompress it and save it on the computer. **(www.mpio.com)**

2 Turn the power of HD400 ON and connect it to a computer using a 24PIN USB Multi-Cable.

3 Save the firmware upgrade file (Image.dat, Player.rom, and Upgrade.axf) in HD400.

4 Separate HD400 from the computer.

5 Firmware is automatically upgraded when the device is unplugged from your PC.
When the firmware upgrade is complete, HD400 will be turned OFF automatically.

Note

- To upgrade the firmware, there must be 10MB of free memory space in HD400's memory.
- Formatting HD400's memory using Macintosh PC is not recommended.
  To format HD400, please contact the customer support center.
- The firmware upgrade file for Macintoshes is compressed using stuffit. When you extract the compressed file, you can confirm the firmware upgrade files and read me files (.txt).
- Causing outer impact on HD400 or lack of battery during firmware upgrade may cause a malfunction.

Troubleshooting

Player does not turn on.

- If the player is completely discharged, use the 24PIN USB Multi-Cable to recharge.
- It takes about 4 hours to complete recharging.

Cannot download from PC.

- If the player is set to MTP (Media Transfer Protocol), you must have Windows Media Player 10 or later installed in a Windows XP environment.

Cannot play movies.

- To play movies, convert movie files after installing the Transcoder program included in your CD. For more information, please refer to the user's manual in the CD.

Cannot view images.

- Check to see if there are any image files saved in the Viewer folder.
- Only image files in JPEG and BMP format can be viewed.

Player does not operate properly.

- If the player does not work properly, press the RESET hole on the player with a small pin. The player will then operate normally.

No radio frequency is received.

- Earphones must be connected to the player when searching for radio frequencies. Reception may be poor depending on location or environment. In this case, try increasing the frequency sensitivity from the Radio Setting menu.

Product Specifications

Dimensions		52 (W) × 93 (H) × 15 (D)/mm
Weight		108.5g
Display (LCD)		Full Color QCIF TFT LCD (1.8”, 220 × 176)
Memory(HDD)		8GB
Decoding		MP3, WMA(WMA DRM), OGG
Encoding		MP3
Voice Recording		MP3
Plug In		WMP (Janus DRM & PD DRM)
Audio	**Frequency Range**	20Hz ~ 20kHz
	S/N ratio	90dB
	Output Power	18mW/Channel(Europe: 6mW/Channel)
	Format	mp3, wma, ogg(Q1~Q10)
Video	**Color**	65K Full Color
	Playable Format	MP4
	Convertible Format	mpeg4, WMA, AVI, DivX(by PC Converting)
Viewer	**Photo**	JPEG, BMP
	Text	TXT
FM Radio	**Frequency Band**	76 ~ 108MHz
	S/N ratio	50dB
	FM Recording	MP3
Languages	**Menu Languages**	English, Korean, Japanese, Chinese(simplified), Chinese(traditional), German, French, Spanish, Russian
	Supported Languages (ID 3 Tag Languages)	55 Languages supported
PC Interface	**PC Interface**	USB 2.0 (High Speed)
	Transfer Speed	56 Mbps
	Supported OS	Windows 98 / SE / ME / 2000 / XP
		Macintosh: Mac OS Version 9.2 or Higher
	Mass Strorage	Supported
Battery	**Type**	Lithium Polymer Rechargeable Battery
	Battery life	Up to 15 hours
Operating Temperature		5°C ~ 40°C

mpio
Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE
Certification No. 0-0000-00-0000
HD400 8GB DIGITAL MEDIA PLAYER
Designed by MPIO in Korea Made in China